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Subsurface Investigation Report of Findings

For the May 9, 10, and 11, 2006 Subsurface Investigation

Dated:

July 7, 2006

Site:

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

LOP # 1TDN006

Prepared for:

Big Oil & Tire Co.

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 4

2.0 INTRODUCTION 6

2.1 SITE LOCATION 6
2.2 SITE DESCRIPTION 6
2.3 VICINITY DESCRIPTION 7
2.4 HYDROGEOLOGIC SETTING 7
2.5 CURRENT SITE USAGE & UST HISTORY 8

3.0 PREVIOUS INVESTIGATIONS 8

3.1 1989 TANK REMOVAL (NICHOLS BROTHERS PRECISION TANK TESTING) 9
3.2 2001 DISPENSER SAMPLING (SOUNPACIFIC) 9
3.3 2003 SUBSURFACE INVESTIGATION (SOUNPACIFIC) 10
3.4 2004 SUBSURFACE INVESTIGATION (SOUNPACIFIC) 10

4.0 RECENT INVESTIGATION 12

4.1 SOIL COLLECTION PROCEDURES 12
4.2 SOIL SAMPLING METHODS 12
4.3 MONITORING WELL CONSTRUCTION 12
4.4 MONITORING WELL DEVELOPMENT AND GROUNDWATER SAMPLING 14
4.5 GROUNDWATER MONITORING PROGRAM 14
4.6 GROUNDWATER FROM MONITORING WELLS ANALYTICAL METHODS 15

5.0 RESULTS 15

5.1 SOIL ANALYTICAL RESULTS 15
5.2 GROUNDWATER LEVELS AND FLOW DIRECTION 15
5.3 WELL DEVELOPMENT AND SAMPLING EVENT PURGE DATA 16
5.4 GROUNDWATER ANALYTICAL RESULTS SUMMARY 19

6.0 SITE SANITATION PROCEDURES 19

7.0 SUMMARY OF INVESTIGATION 20

8.0 SITE CONCEPTUAL MODEL 20

9.0 SUMMARY AND RECOMMENDATIONS 23

10.0 CERTIFICATION 25

TABLES

TABLE 1:..... WATER LEVELS
TABLE 2:..... SOIL ANALYTICAL RESULTS
TABLE 3:..... GRAB GROUNDWATER ANALYTICAL RESULTS
TABLE 4:..... DOMESTIC WELL GROUNDWATER ANALYTICAL RESULTS
TABLE 5:..... GROUNDWATER ANALYTICAL RESULTS FROM MONITORING WELLS

FIGURES

FIGURE 1: ..... AERIAL/TOPO MAP
FIGURE 2: ..... SITE PLAN
FIGURE 3:..... GROUNDWATER FLOW DIRECTION & GRADIENT
FIGURE 4:..... SAMPLE LOCATION MAP
FIGURE 5: ..... GROUNDWATER ANALYTICAL RESULTS

APPENDICES

APPENDIX A:……WELL COMPLETION DIAGRAMS AND BORING LOGS
APPENDIX B:…… ….LABORATORY ANALYTICAL REPORT: SOIL
APPENDIX C:……LABORATORY ANALYTICAL REPORT: GROUNDWATER
APPENDIX D:……..STANDARD OPERATING PROCEDURES
APPENDIX E:……FIELD NOTES: WELL DEVELOPEMANT AND WELL INSTALLATION

1.0 EXECUTIVE SUMMARY

In May 2006, SounPacific Environmental Services (SounPacific) conducted a subsurface investigation at the underground storage tank (UST) site located at 1500 Northcrest Drive, in Crescent City, California (Site). The work was conducted at the request of Big Oil & Tire Co. (BO&T), the responsible party (RP) for the cleanup of the Site. Based on activities, observations, and laboratory analytical results, a summary of the activities and results are presented below:

- On May 9, 10, and 11, 2006, SounPacific staff oversaw the installation of eight (8) groundwater monitoring wells at the Northcrest 76 facility. The monitoring wells (MW-1 through MW-8) were drilled for the collection of soil and groundwater samples, with the objective to further delineate the extent of the previously identified soil and groundwater beneath the Site.

- Site geology predominantly consisted of silty sand to eight (8) to ten (10) feet below ground surface (bgs) underlain by sand to approximately 30 feet bgs. Groundwater was encountered at approximately 11 feet bgs, although it appeared to be at 14 feet bgs and 17 feet bgs in two (2) of the eight (8) monitoring wells at the time of well installation. Static water levels measured in the wells after development and purging indicated that water levels in all wells are at approximately 12 to 13 feet bgs. Groundwater flow direction was calculated to be southeasterly at a shallow gradient (Table 1).

- A total of 36 soil samples from the eight (8) boreholes were submitted for laboratory analyses. No petroleum hydrocarbons were detected in any of the soil samples at concentrations of concern (Table 2).

- Groundwater samples were collected from each of the wells. No petroleum hydrocarbons at concentrations of concern were reported in the groundwater samples from monitoring wells MW-2, MW-6, MW-7, and MW-8. The sample from MW-3 reported the highest concentration of total petroleum hydrocarbons as gasoline (TPHg) at 22,200 ppb and total

BTXE at 4,395 ppb. Methyl tertiary butyl ether (MTBE) was also reported in five (5) wells ranging from 1.4 ppb (MW-6) to 64.6 ppb (MW-5). MW-4 reported TPH as diesel (TPHd) at 3,530 ppb.

- This investigation identified minimal soil contamination, but confirmed that the groundwater beneath the site is impacted with petroleum hydrocarbons that are migrating in a southeasterly direction beneath the Site and offsite toward the intersection of Northcrest Drive and Washington Boulevard.

2.0 INTRODUCTION

This report was prepared by SounPacific on behalf of BO&T to report the activities and findings of the subsurface investigation that was conducted at the Northcrest 76 facility on May 9, 10, and 11, 2006. The purpose of this *Report of Findings* is to discuss the sampling activity, interpret the soil and groundwater analytical results, and provide recommendations for future activity.

This investigation was initiated when a letter dated August 17, 2005, from the North Coast Regional Water Quality Control Board (NCRWQCB), concurred that further investigation was required at the facility to further delineate the extent of the release at the Site. In September 2006, SounPacific conducted a subsurface investigation at the Site in accordance with the *Subsurface Investigation Workplan* dated October 11, 2005 prepared by SounPacific, and approved by the NCRWQCB by letter dated December 21, 2005. An addendum, dated January 26, 2006 was prepared in response to the December 21, 2005 letter. The addendum was subsequently approved by the NCRWQCB.

2.1 Site Location

The Site is located in Crescent City, California, with a physical street address of 1500 Northcrest Drive, Crescent City, California. The Site is situated approximately 1.5 miles north of downtown Crescent City, on the northwest corner of the intersection of Northcrest Drive and Washington Boulevard (Figure 1).

2.2 Site Description

Northcrest 76 is a retail petroleum filling facility. Site improvements include a single story building and two (2) dispenser islands that are covered by a canopy. The dispensers supply regular grade gasoline, premium grade gasoline, and diesel fuel for retail sale. The main structure is used as a Mini-Mart and office for business and cashier purposes. The entrance of the main structure faces east towards Northcrest Drive. A small storage building is located next to the main building near the north side of the Site. The Site is surfaced around the current structure with concrete and asphalt. The back wall of the building is on the property line (zero

lot line). A paved and unpaved area is located behind the building on the neighboring property, which borders the Site both to the north and to the west. Sewer and water services are supplied by public utilities. Electrical and telephone lines servicing the Site are located below ground (Figure 2); however, they are above ground on standard utility poles along the east and south sides of the Site.

2.3 Vicinity Description

The surrounding land use in the immediate vicinity is commercial and residential. Humboldt Moving & Storage lies adjacent to, and north and west of, the property. Washington Boulevard is adjacent to the southern property line, while Northcrest Drive borders the east side of the Site. The Rice Repair Storage Shed is separate from the Site to the west by Humboldt Moving and Storage property (Figure 2).

2.4 Hydrogeologic Setting

The Site is located approximately two (2) miles east of the Pacific Ocean and approximately 800 feet west of "No Name Creek." The Site is generally flat, with the elevation ranging between 53 feet and 54 feet above mean sea level (amsl). The surrounding topography is relatively flat (Figure 1).

According to the 1987 Weed Sheet, the Site is underlain by the basement rocks of the Cretaceous-Jurassic age Franciscan Complex. Overlying the Franciscan Complex are the Pliocene-Pleistocene marine and non-marine deposits of the St. George Formation. Overlying the St. George Formation is the Quaternary Battery Formation consisting of both marine and continental deposits.

Stable groundwater levels at the Site were at an approximate depth of 12 to 13 feet bgs in May 2006. It has been measured as deep as 20 feet bgs during the dryer times of the year. Groundwater flow direction appears to be southeasterly (Figure 3).

2.5 Current Site Usage & UST History

SounPacific understands that the property is owned by BO&T of Arcata, California. The main structure on the Site is currently being used as a retail gasoline station and Mini-Mart. At present, there is one (1) 8,000-gallon regular unleaded gasoline UST, one (1) 8,000-gallon premium unleaded gasoline UST, and one (1) 6,000-gallon diesel fuel UST, all located in the southeastern portion of the property (Figure 2). According to Del Norte County Health Department (DNCHD) files, three (3) *Underground Storage Tank Program Tank Permit Application Information forms* were completed on March 7, 1990, for the installation of the three (3) double walled UST's currently in use at the Site. This system includes a pressurized turbine fuel delivery system, double walled piping of product lines, and a fiberglass coating on the outer UST walls.

Information from DNCHD files indicates that BO&T purchased the Site from Liz Puro in 1989. At that time, the Site had eight (8) USTs consisting of: one (1) 100-gallon UST of unknown contents, one (1) 100-gallon white gas UST, one (1) 150-gallon diesel UST, one (1) 150-gallon kerosene UST, one (1) 500-gallon waste oil UST, one (1) 2,000-gallon premium unleaded gasoline UST, and two (2) 4,000-gallon regular unleaded gasoline USTs. The UST systems were composed of single-walled steel tanks, and fuel was delivered to the dispensers through safe-suction technology.

In January 1989, G.R. Construction of Crescent City, California, removed the eight (8) USTs. The 100-gallon and 150-gallon USTs were reportedly crushed onsite, while the remaining USTs were trucked to Hanson Wire and Rope, at 2404 Sandy Prairie Road in Fortuna, California for disposal.

3.0 PREVIOUS INVESTIGATIONS

A file review conducted at the DNCHD yielded the following historical information. It should be noted that many details in the County files, concerning the historical sampling information at the Site, appear to be incomplete.

3.1 1989 TANK REMOVAL (Nichols Brothers Precision Tank Testing)

On January 10, 1989, the original USTs at the facility were removed, after which compliance sampling and analysis was conducted of the four (4) excavations from which the USTs were removed. This testing included the collection of seven (7) soil samples (1-A through 7-A) from the UST excavations (Figure 4) and one (1) water sample (8-A) collected from a former domestic onsite well. The samples were submitted to North Coast Laboratories for analysis. Samples 1-A, 2-A, 4-A, 6-A, and 7-A, were analyzed for TPHg and benzene, toluene, total xylenes, and ethylbenzene (BTXE). Samples 3-A and 5-A were analyzed for TPHd and BTXE, and Sample 8-A was analyzed for TPHg only. Laboratory analytical results indicated that TPHg was detected in sample 2-A (site of former premium gasoline UST) at a concentration of 15 parts per million (ppm) and in sample 4-A (site of three (3) small USTs that contained kerosene, diesel, and white gas, plus an unknown UST) at a concentration of 6 ppm (Table 2). All the remaining soil samples were below laboratory detection limits for petroleum hydrocarbon constituents. Analysis of the groundwater sample from the former domestic onsite well did nor report any contaminants (Table 3).

3.2 2001 DISPENSER SAMPLING (SounPacific)

On August 16, 2001, during a routine inspection of piping behind the dispenser covers, a fuel odor was noted. The station manager reported the concern to the main office and a service representative visited the facility to inspect the system and collect a soil sample from beneath the dispenser. The inspection did not identify any leaks or liquid; and all fittings were inspected and tightened. The collected soil sample was analyzed for TPHg, BTXE, and MTBE. The analysis of the soil sample reported TPHg at 3,100 ppm, along with the BTXE compounds. The results are summarized in Table 2. Due to the presence of impacted soil, an Underground Storage Tank Unauthorized Release / Contaminationsite Report (URF) was submitted to the DNCHD and the NCRWQCB on August 25, 2001, by Greg Sounhein of SounPacific.

Based upon the August 16, 2001 results, SounPacific staff collected four (4) additional soil samples at the Site on October 2, 2001. One (1) soil sample was collected from below each of the dispensers (D1, D2, and D3) and one (1) soil sample was collected along the product lines (PR-1) (Figure 4). The samples were analyzed for TPHg, BTXE, and five (5) fuel oxygenates

(including MTBE) (Table 2). Laboratory analysis reported the presence of petroleum hydrocarbons in all four (4) soil samples, with the highest concentration (9,060 ppm) being reported in the sample at location D-1. The soil analytical results are summarized in Table 2.

3.3 2003 SUBSURFACE INVESTIGATION (SounPacific)

During January 17, 22, and 28, 2003, SounPacific performed a subsurface investigation at the Site. Six (6) hand-auguring soil borings (B-1, B-2, B-3, B-4, B-5, and B-6) were drilled to depths of 12 feet bgs for the collection of soil samples. Groundwater was not encountered in any of the borings. The locations of the borings are shown in Figure 4. A total of 18 soil samples were collected and analyzed for TPHg, BTXE, MTBE, TPHd, and TPH as motor oil (TPHmo). In addition, a soil sample from boring B-1 (SB-1@4'), which was located in the vicinity of the former waste oil UST, was also analyzed for fuel oxygenates, halogenated hydrocarbons, lead scavengers, and metals. The laboratory analysis did not report any TPHg or BTXE in any samples. MTBE was reported in five (5) of the samples at low concentrations and TPHd was reported in two (2) samples. The additional analyses on sample SB-1@4', did not report any halogenated hydrocarbons or lead scavengers; however, methanol at 15 ppm was reported in the same sample. Additionally, metals were reported at apparent background levels. All the analytical results are summarized in Table 2.

In addition to the soil samples, a groundwater sample was collected from the domestic well at the Rice Repair Storage Shed (Figure 4) and analyzed for TPHg, BTXE, seven (7) fuel oxygenates, lead scavengers, TPHd, TPHmo, and halogenated hydrocarbons. Analytical results for the groundwater sample were below laboratory detection limits for all analyses, see Table 4.

3.4 2004 SUBSURFACE INVESTIGATION (SounPacific)

Due to the presence of previously identified subsurface petroleum hydrocarbons, on September 29 and 30, 2004, SounPacific conducted further subsurface investigation at the Site, with the objective of delineating the vertical and horizontal extent of the impacted soil and groundwater associated with the UST system. The investigation consisted of drilling nine (9) soil borings (B-7, B-8, B-9, B-10, B-11, B-12, B-13, B-14, and B-15) for the collection of soil and grab

groundwater samples. The locations of the borings are shown in Figure 4.

On September 29 and 30, 2004, 59 soil samples from nine (9) boreholes (B-7, B-8, B-9, B-10, B-11, B-12, B-13, B-14, and B-15) were collected for analysis, see Figure 4. Laboratory analysis detected TPHg in only four (4) of the soil samples. Two (2) of the four (4) samples were from borings SB-11 and SB-12, and reported TPHg only slightly above the reporting limit; however, in the other two samples, TPHg concentrations of 890 ppm (SB-10@17') and 4,000 ppm (SB-9@18') were reported. Benzene was not reported in any of the samples. Toluene was detected in two (2) samples, SB-11@20' at a concentration of 0.021 ppm and in sample SB-10@20' at a concentration of 7.9 ppm. Total xylenes were reported in nine (9) samples and ranged in concentration from 0.005 ppm (SB-10@9') to 226 ppm (SB-9@18'). Ethylbenzene was reported in six (6) samples and ranged in concentration from 0.012 ppm (SB-10@16') to 80 ppm (SB-9@18'). MTBE was detected in 20 samples and ranged in concentration from 0.007 ppm (SB-12@4', SB-14@8', and SB-15@8') to 4.1 ppm (SB-12@8'). TAME was detected in 12 samples and ranged in concentration from 0.006 ppm (SB-11@12' and SB-13@16') to 0.17 ppm (SB-12@8'). TBA was detected in eight (8) samples and ranged in concentration from 0.086 ppm (SB-12@20') to 2.2 ppm (SB-12@8'). TPHd was detected in nine (9) samples and ranged in concentration from 1.0 ppm (SB-10@16' and SB-14@20') to 110 ppm (SB-10@17'). TPHmo was detected in three (3) samples and ranged in concentration from 21 ppm (SB-13@4') to 39 ppm (SB-14@4'). The complete laboratory results are summarized in Table 2.

On September 30, 2004, SounPacific collected grab groundwater samples from the nine boreholes. TPHg was detected in three (3) samples, ranging in concentration from 100 ppb (SBGW-12) to 3,600 ppb (SBGW-10). Benzene was detected in three (3) samples and ranged in concentration from 1.3 ppb (SBGW-12) to 57 ppb (SBGW-10). Toluene was detected in three (3) samples and ranged in concentration from 1.5 ppb (SBGW-9) to 720 ppb (SBGW-10). Total xylenes were detected in four (4) samples and ranged in concentration from 2.5 ppb (SBGW-12) to 980 ppb (SBGW-10). Ethylbenzene was detected in four (4) samples and ranged in concentration from 0.6 ppb (SBGW-12) to 200 ppb (SBGW-10). MTBE was detected in five (5) samples and ranged in concentration from 5.4 ppb (SBGW-15) to 250 ppb (SBGW-11). TAME was detected in three (3) samples and ranged in concentration from 7.3 ppb (SBGW-12) to 30 ppb (SBGW-11). TPHd was detected in three (3) samples and ranged in concentration from 61

ppb (SBGW13) to 180 ppb (SBGW-10). The analytical results are summarized in Table 3.

4.0 RECENT INVESTIGATION

Due to the prior detections of petroleum hydrocarbons in soil and groundwater, SounPacific oversaw further subsurface investigation at the Site on May 9, 10, and 11, 2006. The objective of the investigation was to further delineate the vertical and horizontal extent of the soil and groundwater impacted with petroleum hydrocarbons. The investigation consisted of drilling and sampling eight (8) borings (MW-1 through MW-8) and installing a groundwater monitoring well in each of the borings. The locations of the monitoring wells are shown on Figures 3 and 5.

4.1 Soil Collection Procedures

Thirty-four (34) soil samples were collected on may 10, 11, and 12, 2006 from the well borings (MW-1 through MW-8), using a spilt-spoon sampler. The soil samples were collected by the field scientist for laboratory analysis and then inspected and documented by the onsite geologist for lithologic documentation of soil condition and classification using the Unified Soil Classification System. The boring logs are included in Appendix A. Soil samples were collected at a minimum of four (4) or five (5) feet intervals (depending on the boring), lithologic changes, and at the soil/groundwater interface down to a maximum depth of approximately 30 feet bgs. The samples were collected in appropriate containers, labeled, placed in coolers, and kept at approximately four degrees Celsius. All samples were transported to Basic Labs for laboratory analysis under appropriate chain-of-custody documentation (Appendix B).

4.2 Soil Sampling Methods

All soil samples were collected following the EPA guidelines for **SW 846 Method 5035** and analyzed for TPHg, BTXE, and five (5) fuel-oxygenates following **EPA Method 8260B,** and TPHmo and TPHd following **EPA Method 8015.**

4.3 Monitoring Well Construction

Eight (8) groundwater monitoring wells were installed during this investigation using eight (8)

inch diameter hollow stem augers. Sampling locations are graphically depicted on the boring logs which are included in Appendix A. The formation below 10 feet bgs consisted of water saturated heaving medium to fine sand. These heaving or flowing sand conditions caused the bottom of every hole to fill into the hollow stem augers to some degree.

Based on historical data showing the water table to be greater than 20 feet bgs, the final boring depth of each new well was proposed in the Work Plan to be 30 feet bgs. However, during drilling groundwater was encountered in most of the borings at a depth of approximately 11 feet bgs. This indicated a considerable fluctuation of the groundwater table depth throughout the hydrologic cycle at the Site. Therefore, it appeared unlikely that the 15 foot screen section proposed in the Work Plan could be placed to intersect the water table at all times of the year and still comply with the proposed well depth of approximately 30 feet. As a result, it was decided to install 20 feet of screen to assure water table capture throughout the year.

Due to the heaving sands it was not possible to install the majority of the wells to the maximum depth of each borings. Each monitoring well was constructed of two (2) inch diameter, clean, flush-threaded, PVC well materials. The well screen is 20 feet in length, consists of 0.01 inch machine cut slots, and extends from the bottom of the well to approximately eight (8) feet bgs (except for MW-8). A filter pack of #2-12 sand was placed in the annular space between the well casing and boring walls, and extends from the bottom of the boring to approximately 1.5 feet above the screened interval. An approximate five (5) foot layer of hydrated bentonite, as per county requirements, was placed on top of the sand filter pack. The remainer of the boring was filled with a cement slurry, and the surface was completed with a locking, waterproof, flush-mounted, traffic-rated cover. Monitoring well construction details are included in Appendix A.

The depth of casing was approximately 28 feet in six (6) wells, 27.5 feet in one (1) well and only 23.5 feet in MW-8. Well completion diagrams for all monitoring wells are attached in Appendix A. Water level measurements during well development (May 15, 2006) and well sampling (May 18, 2006) confirmed that 15 feet of screen in a 30 foot well would have placed the screen below the top of the water table.

Following installation of the wells, a licensed surveyor determined the elevation and location of

each monitoring well at the Site to a status datum point according to Geotracker specifications as required by the NCRWQCB. All data is entered into the Geotracker database using the new x, y, z coordinate system as required by State law.

4.4 Monitoring Well Development and Groundwater Sampling

Each new well was developed using a purge pump or similar and surge block on May 15, 2006 (four to six days after installation). Well development continued until all fines had been removed and no turbidity was visually present. During development, the pH, conductivity, and temperature of the extracted water were measured at regular intervals to verify that representative samples of formation groundwater were present in the well. A total of 55 gallons of water were removed from all wells except MW-8 where only 30 gallons of water were removed.

Following well development, the wells were allowed to recharge for three (3) days prior to sampling. The first sampling event (Well Installation Sampling Event) was conducted on May 18, 2006. Stabilized groundwater levels were measured during this event. Three (3) well volumes of groundwater were purged from wells, again measuring pH, conductivity, temperature, and turbidity for signs of representative formation waters. Groundwater samples were taken from the wells with disposable PVC bailers or a peristaltic pump and disposable plastic tubing, stored in appropriate containers (i.e. VOA vials and amber bottles), placed in coolers with ice, kept at or below four (4) degrees Celsius, and transported to a State certified laboratory under Chain-of-Custody documentation for analysis (Appendix C).

4.5 Groundwater Monitoring Program

Following the initial sampling, the new wells will be used to begin a groundwater monitoring program. The groundwater monitoring program will consist of monthly water level gauging and the collection of groundwater samples for laboratory analysis on a quarterly basis. Each sampling event will consist of measuring the depth to groundwater, purging the well a minimum of three (3) well volumes, and collecting a groundwater sample from the well for laboratory analysis. During purging activities, the extracted well water will be measured for pH, conductivity, temperature, and clarity for signs of representative formation waters. Groundwater

samples will be collected from the wells with disposable PVC bailers or a peristaltic pump and disposable plastic tubing, stored in appropriate containers (i.e. VOA vials and amber bottles), placed in coolers with ice, kept at or below four (4) degrees Celsius, and transported to a State of California certified laboratory under appropriate Chain-of-Custody documentation for analysis.

4.6 Groundwater from Monitoring Wells Analytical Methods

Groundwater samples from the monitoring wells were collected following standard EPA protocols (Appendix B). Based upon historical analytical results, all groundwater samples were analyzed for TPHg, BTXE and fuel-oxygenates following **EPA Method 8260b.** The samples were also analyzed for TPHd and TPHmo by **EPA Method 8015M.** All laboratory analyses were conducted by a State certified laboratory on a normal TAT.

5.0 RESULTS

5.1 Soil Analytical Results

Out of 34 samples, five (5) samples reported the presence of TPHg; however, all concentrations were below five (5) ppm. BTXE compounds and MTBE were reported in four (4) samples each; however, concentrations for all constituents were less than 0.1 ppm. The analytical results are summarized in Table 2, with the laboratory report in Appendix B.

5.2 Groundwater Levels and Flow Direction

On May 15, 2006, prior to well development, the depth to groundwater in the site's eight monitoring wells was measured and ranged from 11.91 feet below top of casing (btc) in well MW-2 to 13.21 feet btc in MW-5. When corrected to mean sea level, water level elevations ranged from 40.86 feet amsl in MW-5 to 41.48 feet amsl in MW-7. Groundwater levels and elevations for each well are included in Table 1.

On May 18, 2006, prior to the sampling of the wells, the depth to groundwater was re-measured

in each of the eight (8) monitoring wells and ranged from 12.23 feet btc in well MW-2 to 13.51 feet btc in MW-5. When corrected to mean sea level, water level elevations ranged from 40.86 feet amsl in MW-5 to 41.48 feet amsl in MW-7. The groundwater levels and elevations for each well are included in Table 1. The groundwater flow and gradients for the May 18, 2006 gauging events are graphically depicted in Figure 3. Basic field data for the sampling event is presented below.

Wells gauged: MW-1, 2, 3, 4, 5, 6, 7, and 8
Groundwater Depth: Ranged from 12.23 to 13.51 feet btc (Table 1)
Groundwater Elevation: Ranged from 40.86 to 41.48 feet amsl (Table 1)
Floating product: Sheen reported in wells MW-3
GW flow direction: Southeast (Figure 3)
GW gradient: 0.01 feet/foot (Figure 3)

5.3 Well Development and Sampling Event Purge Data

Prior to sampling, all wells were purged; the groundwater field parameters for each well during both the well development and well purging are presented below and are included in Appendix E.

MONITORING WELL MW-1 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	12:59 pm	0	6.61	57.48	1.318
5/15/06	3:38	55	6.71	57.51	0.707
5/18/06	12:57 pm	0	6.90	57.34	1.178
5/18/06	1:03	2.6	7.15	57.32	1.172
5/18/06	1:09	5.1	7.15	57.33	1.170
5/18/06	1:15	7.7	7.14	57.32	1.170

MONITORING WELL MW-2 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	1:01 pm	0	6.46	56.33	0.744
5/15/06	3:56	55	6.10	56.24	0.486
5/18/06	1:20 pm	0	6.61	56.17	0.488
5/18/06	1:27	2.5	6.34	56.26	0.457
5/18/06	1:34	5.0	6.23	56.38	0.448
5/18/06	1:41	7.5	6.19	56.42	0.435

MONITORING WELL MW-3 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	1:04 pm	0	6.31	57.34	1.139
5/15/06	4:52	55	5.82	57.48	0.775
5/18/06	1:47 pm	0	6.49	57.09	1.174
5/18/06	1:55	2.4	6.72	57.14	1.170
5/18/06	2:04	4.9	6.69	57.16	1.168
5/18/06	2:10	7.3	6.75	57.16	1.168

MONITORING WELL MW-4 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	12:57 pm	0	6.71	57.12	0.496
5/15/06	3:08	55	6.53	57.39	0.329
5/18/06	12:02 pm	0	6.24	56.87	0.271
5/18/06	12:12	2.4	6.54	57.13	0.266
5/18/06	12:20	4.9	6.77	57.07	0.263
5/18/06	12:27	7.3	6.90	57.17	0.268

MONITORING WELL MW-5 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	1:07 pm	0	6.65	57.66	1.179
5/15/06	4:19	55	6.66	57.87	0.753
5/18/06	2:14 pm	0	6.88	57.42	1.163
5/18/06	2:20	2.3	6.97	57.55	1.160
5/18/06	2:26	4.6	6.96	57.61	1.160
5/18/06	2:32	7.0	6.95	57.53	1.157

MONITORING WELL MW-6 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	12:53 pm	0	6.26	58.66	0.441
5/15/06	3:12	55	6.24	58.73	0.359
5/18/06	12:31 pm	0	6.59	58.56	0.307
5/18/06	12:38	2.4	6.55	58.64	0.311
5/18/06	12:45	4.9	6.57	58.60	0.306
5/18/06	12:51	7.3	6.55	58.58	0.299

MONITORING WELL MW-7 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	12:50 pm	0	6.07	57.34	0.254
5/15/06	2:11	55	5.86	57.51	0.277
5/18/06	3:07 pm	0	6.80	57.15	0.159
5/18/06	3:14	2.5	6.51	57.28	0.182
5/18/06	3:21	5.0	6.23	57.15	0.176
5/18/06	3:29	7.6	6.15	57.08	0.175

MONITORING WELL MW-8 GROUNDWATER FIELD PARAMETERS

Date	Time	Total Vol. Removed/ (gal.)	pH	Temp/(F)	Cond./ms(cm)-1
5/15/06	1:10 pm	0	6.94	57.35	0.890
5/15/06	4:33	30	6.41	59.64	0.527
5/18/06	2:37 pm	0	7.22	56.96	0.317
5/18/06	2:45	1.7	7.12	57.15	0.282
5/18/06	2:58	3.4	7.12	57.25	0.271
5/18/06	3:05	5.1	7.12	57.29	0.267

5.4 Groundwater Analytical Results Summary

Groundwater samples collected from each of the new monitoring wells after development and purging reported TPHg, BTXE, MTBE, tertiary amyl methyl ether (TAME), TBA, and TPHd. MW-3 and MW-5 reported TPHg at 22,200 ppb and 88.1 ppb, respectively, but was not reported in any of the other wells. BTXE compounds were present in MW-3 only, at 14.2 ppb (benzene), 1,420 ppb (toluene), 2,350 ppb (xylenes), and 611 ppb (ethylbenzene). MTBE was detected in four (4) wells at concentrations of 7.4 ppb (MW-1), 3.7 ppb (MW-4), 64.6 ppb (MW-5), and 1.4 ppb in MW-6. TAME was detected in two (2) wells at concentrations of 2.5 ppb (MW-1) and 4.2 ppb in MW-5. TBA was detected at a concentration of 60.0 ppb in MW-5, while TPHd was detected in MW-4 at a concentration of 3,530 ppb. The results are present in Table 5, and Figure 5, with the results plotted on a site plan and presented as "Groundwater Analytical Results." The laboratory report is included as Appendix C.

6.0 SITE SANITATION PROCEDURES

All drill cuttings and groundwater extracted from wells and boreholes were stored onsite in D.O.T. 17E/17H 55-gallon drums. Based upon the results of laboratory analyses drilling cuttings will either be left onsite or disposed as a non-hazardous waste. Purge/development waters and rinsate generated from steam cleaning, drilling, development, and sampling equipment is contained and stored at the Site in D.O.T. 17E/17H 55-gallon drums. Following the conducting of the next groundwater monitoring event, the retained water will be resampled, and disposal options will be evaluated

7.0 SUMMARY OF INVESTIGATION

Soil sampling at the Site has indicated that the extent and degree of soil contamination are minimal. Soil contamination is limited to the margins of the former USTs, with the highest reported concentration of TPHg soil contamination being 120 ppm, which is only slightly above a clean-up standard of 100 ppm. Therefore, no independent soil remediation appears to be required, with the clean-up standard being achieved over time through natural attenuation.

Groundwater contamination is more widespread; however, the full extent of the groundwater impact is currently undefined to the east under Northcrest Drive and to the southeast under the intersection of Northcrest Drive and Washington Boulevard. No indication of vertical migration of concern of MTBE was identified, with no MTBE being reported at depths greater than 16 feet bgs in the soil samples. In the groundwater, significantly elevated levels of TPHg were restricted to a single well, MW-3, which is located approximately 30 feet downgradient of the gasoline USTs dispensers on the property's eastern boundary. MTBE is the most widespread contaminant of concern, being reported in five (5) of the eight (8) wells, and throughout the whole southeast portion of the Site.

8.0 SITE CONCEPTUAL MODEL

The objective of a site conceptual model is to present sufficient information to: (1) identify the source(s) of the contamination; (2) determine the nature and extent of the contamination; (3) specify potential exposure pathways; and (4) identify potential receptors that may be adversely impacted by the contamination.

The Site's geology has been determined from the findings of the January 2003, September 2004, and May 2006 site investigations. These investigations determined that the Site is primarily underlain by interbedded silty sand and sand, which become coarser with depth (grading sequence). A thin clay layer (approximately one (1) foot thick), was present across portions of the Site at a depth of approximately five (5) feet bgs. Sandy clay to clayey sand was encountered in MW-3 at a depth of 29 feet. If this layer persists in both aerial extent and depth, it may form a barrier to vertical migration. The depth to groundwater has been determined from the wells installed at the Site. Based on data from the wells it has been determined that the average depth

to groundwater in May 2006 was approximately 12.5 feet bgs, with a southeasterly groundwater flow direction at a shallow gradient. Based on historical data, this depth to groundwater may be a seasonal high, with groundwater levels being as deep as 20 feet bgs at the end of the dry season.

In 1989, eight (8) USTs, which were used to store various petroleum products, were removed from four (4) locations at the Northcrest 76 facility. Following the removal of the USTs, laboratory analysis of soil samples from excavations reported TPHg, at low concentrations in one (1) from the premium unleaded UST excavation in the northern portion of the Site and one (1) from the multi-tank location on the northside of the Mini-Mart building, in the northwest portion of the Site. No petroleum contaminants were reported at the site of the two (2) former unleaded gasoline USTs in the central area of the Site or the other UST locations. Although TPHg was present, no further action was required at that time. The removed USTs were replaced with three (3) larger USTs in the southeast portion of the property.

In August 2001, during a routine inspection, impacted soil was detected beneath one (1) of the fuel dispensers. This area was also the Site of the unleaded USTs removed in 1989, where no impact was identified following their removal. The presence of the impact in an area which had previously been determined to be free of contamination indicated that the source of the contamination was the UST piping and/or fuel dispenser system.

Subsequent soil sampling across the Site in January 2003 did not identify any TPHg or BTXE compounds in the soil of the six (6) soil borings sampled to a depth of 12 feet bgs. However, MTBE at less than 1.0 ppm was reported in five (5) of the soil samples collected from the two (2) borings located between the new USTs and the area of the dispensers. The absence of the TPHg at depth indicating that the near surface contamination identified in the vicinity of the dispensers had not migrated, or the soil, which is predominantly sand, had not retained any of the contamination.

Further subsurface investigation was conducted in September 2004 during which soil and grab groundwater samples were collected. This investigation involved drilling nine (9) borings (B-7 through B-15) across the Site, of which three (3) borings (B-8, B-9, and B-10) were located in

the vicinity of the dispensers. The remaining borings, with the exception of boring (B-7), were located in the suspected down gradient direction and in the vicinity of the new USTs. Six (6) to nine (9) soil samples were collected and analyzed from each boring, and with the exception of four (4) samples, no TPHg contamination was identified in any of the samples. Of the four (4) samples that reported TPHg, two (2) samples reported TPHg at the reporting limit. The remaining two (2) samples were collected from borings B-9 and B-10, in the area of the "leaking" dispenser(s), and reported significantly higher concentrations at depths just above the water table (4,000 ppm, at 18 feet in boring B-9 and 890 ppm at 17 feet in boring B-10). In both B-9 and B-10, the soil samples collected from shallower depths were non-detect for TPHg. TPHd was in eight (8) samples, of which seven (7) were from borings B-9 and B-10; however, with one (1) exception (B-10 @ 17' reported 110 ppm), all concentrations were below 11 ppm, and are not considered to be of concern. Toluene was reported in two (2) samples (7.9 ppm in B-10 @ 20 feet and 0.021 ppm in B-11 @ 20 feet). Total xylenes were reported in nine (9) samples, eight (8) of which were in samples from B-9 and B-10; however, five (5) samples reported concentrations less than 0.1 ppm. As with the total xylenes, the five (5) of the six (6) samples that reported ethylbenzene were from borings B-9 and B-10, of which four (4) reported concentrations less than 1.6 ppm. The highest concentrations of total xylenes and ethylbenzene were in the same samples that reported the elevated TPHg. The fuel oxygenates, MTBE (20 samples), TAME (12 samples), and TBA (8 samples) were reported in a number of the analyzed soil samples. Whereas the TPH's and aromatic hydrocarbons were predominantly in the soil samples from borings B-9 and B-10, the fuel oxygenates were predominantly in the soil samples from borings B-11, B-12, B-13, B-14, and B-15, which are down gradient of the area where petroleum hydrocarbons were initially identified. However, it should be noted that the reported levels in B-9 and B-10 were elevated and may have masked the presence of any fuel oxygenates. When present, the fuel oxygenates were at low concentrations, with 0.8 ppm being exceeded in only one (1) sample (B-12 @ 8 feet), where MTBE and TBA were at concentrations of 4.1 ppm and 2.2 ppm, respectively.

Analysis of the grab groundwater collected during the September 2004 subsurface investigation, reported TPHg in the groundwater from borings B-10, B-11, and B-12. Select BTXE compounds were reported in the groundwater sample from B-9, in addition to the borings that reported TPHg. MTBE was in the groundwater from the same borings that reported TPHg, plus

borings B-13 and B-15.

The distribution of the petroleum hydrocarbons in the soil indicates that the impact originated from the location of the current dispensers and the former unleaded gasoline USTs. The presence of the contamination in the surface soil, and the fact that the clean soil would have been placed at its current location during the backfilling of the UST excavation, indicates that the source of the impact was more than likely the dispensers. The only other impacted soil is within the capillary fringe at the Site, which show significant seasonal variation. The absence of soil contamination in the vadose zone may be due to a couple of reasons, these would include soil borings that were not drilled in the areas where a soil impact originally occurred; the subsurface soil in the areas of potential contamination consist predominantly of sand or of coarse grained imported fill, which would have limited their ability to retain any petroleum hydrocarbons migrating through them.

Groundwater is impacted with TPHg, the BTEX compounds, and fuel oxygenates, particularly MTBE, at concentrations of concern. No groundwater contamination was identified in the area directly beneath the dispensers or the former USTs; however, groundwater contamination was identified in the area downgradient, to the southeast of the dispensers. The cross gradient limits of the groundwater contamination has been defined; however, the full downgradient extent has yet to be defined, with wells MW-5, and particularly MW-3, both reporting elevated levels of petroleum hydrocarbons. Monitoring well MW-3 is located on the property boundary, adjacent to Northcrest Drive, and due to the high TPHg and BTEX concentrations it is likely to have migrated beneath Northcest Drive. The concentrations in MW-5 are significantly lower, and hence the contamination may be restricted to the Site. As well MW-3 is impacted and on the property boundary, it is assumed that the contamination has migrated offsite; however, there are no known sensitive receptors in the immediate area but it is recommended that a sensitive receptor survey be conducted at this Site in an effort to reduce the chance that a sensitive receptor has been impacted or could be threatened.

9.0 SUMMARY AND RECOMMENDATIONS

To date five (5) phases of subsurface evaluation have been conducted at the Site. The first

phase in 1989, was related to the removal of the facility's original USTs, and did not identify any contamination of concern. The second phase (2001) was conducted following the identification of a pipe leaking beneath the dispensers, during which significant petroleum hydrocarbon surface soil contamination was identified. Subsequent phases of work were conducted in January 2003, September 2004, and May 2006, which identified minimal soil contamination, but determined that the groundwater was impacted and the impact had migrated from the dispenser area in a southeasterly direction and likely offsite. The cross gradient extent of the impacted groundwater has been partly defined, using both temporary well grab samples and monitoring well samples; however, the groundwater contamination has migrated likely offsite and the full eastern and southeastern extent has not been defined. As a result the following further actions are proposed.

- Quarterly groundwater monitoring should continue for a minimum of one (1) year. This will include monthly water level measuring, along with quarterly groundwater sampling and analysis.

- Further subsurface investigation should be conducted at offsite locations, downgradient of the Site. The work should involve a series of hydro-punch or similar type locations from which grab groundwater samples can be collected to assess the extent of the groundwater contamination. Once the limits of the groundwater contamination have been defined, additional groundwater monitoring wells should be installed to monitor contaminant levels and any contaminant migration.

- SounPacific recommends conducting a sensitive receptor survey within 1000 foot radius of the Site looking primarily for water wells, creeks, low lying wet lands and marches, and/or similar receptors.

CERTIFICATION

This report was prepared under the direct supervision of a California registered geologist at SounPacific. All information provided in this report including statements, conclusions and recommendations are based solely on field observations and analyses performed by a state-certified laboratory. SounPacific is not responsible for laboratory errors.

SounPacific promises to perform all its work in a manner that is used by members in similar professions working in the same geographic area. SounPacific will do whatever is reasonable to ensure that data collection is accurate. Please note however, that rain, buried utilities, and other factors can influence groundwater depths, directions and other factors beyond what SounPacific could reasonably determine.

SounPacific

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Tables

Table 1
Water Levels
Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample Location	Date	Depth to Bottom/ Feet BToC	Survey Height/ Feet AMSL	Depth to Water/ Feet BToC	Adjusted Elevation/ Feet AMSL	Thickness of Floating Product/ Feet
MW-1	5/15/2006	27.64	53.70	12.31	41.39	0.00
	5/18/2006	28.80	53.70	12.82	40.88	0.00
MW-2	5/15/2006	26.27	53.44	11.91	41.53	0.00
	5/18/2006	27.92	53.44	12.23	41.21	0.00
MW-3	5/15/2006	26.04	53.52	12.28	41.24	0.00
	5/18/2006	28.09	53.52	12.93	40.59	0.00
MW-4	5/15/2006	25.88	53.65	12.18	41.47	0.00
	5/18/2006	27.80	53.65	12.61	41.04	0.00
MW-5	5/15/2006	26.28	54.07	13.21	40.86	0.00
	5/18/2006	27.98	54.07	13.51	40.56	0.00
MW-6	5/15/2006	26.78	53.75	12.65	41.10	0.00
	5/18/2006	28.11	53.75	12.98	40.77	0.00
MW-7	5/15/2006	25.74	53.45	11.97	41.48	0.00
	5/18/2006	28.08	53.45	12.33	41.12	0.00
MW-8	5/15/2006	23.30	53.73	12.37	41.36	0.00
	5/18/2006	23.23	53.73	12.67	41.06	0.00

Notes:
BToC: Below Top of Casing
AMSL: Above Mean Sea Level

Table 2
Soil Analytical Results
Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	EDB (ppm)	Methanol (ppm)	Ethanol (ppm)
1-1A	1-1A	1/10/1989	ND < 5	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	----	----	----	----	----
2-2A	2-2A	1/10/1989	**15**	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	----	----	----	----	----
3-3A	3-3A	1/10/1989	----	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	ND < 10	----	----	----	----
4-4A	4-4A	1/10/1989	**6.0**	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	----	----	----	----	----
5-5A	5-5A	1/10/1989	----	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	ND < 10	----	----	----	----
6-6A	6-6A	1/10/1989	ND < 5	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	----	----	----	----	----
7-7A	7-7A	1/10/1989	ND < 5	ND < .05	ND < .05	ND < .05	ND < .05	----	----	----	----	----	----	----	----	----	----
dispenser soil	unknown	8/16/2001	**3,100**	**21**	**450**	**198**	**38**	ND < 25	----	----	----	----	----	----	----	----	----
D-1 @ 2.5'	D-1	10/2/2001	**9,060**	**16**	**454**	**582**	**101**	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25,000	----	----	----	----	----
D-2 @ 2.5'	D-2	10/2/2001	**82.0**	**0.699**	**4.95**	**3.01**	**0.449**	**5.94**	ND < 0.125	**2.12**	ND < 0.125	ND < 125	----	----	----	----	----
D-3 @ 3'	D-3	10/2/2001	**4,340**	**18.3**	**531**	**822**	**127**	ND < 12.5	ND < 12.5	ND < 12.5	ND < 12.5	ND < 12,500	----	----	----	----	----
PR-1 @ 2.5'	PR-1	10/2/2001	**280**	**1.86**	**26.3**	**8.85**	**1.72**	**18.3**	ND < 0.125	ND < 0.125	ND < 0.125	ND < 125	----	----	----	----	----
SB-1 @ 4'	B-1	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	ND < 0.005	**15**	ND < 0.10
SB-1 @ 8'	B-1	1/28/2003	ND < 1.0	----	----	----	----	----	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-1 @ 12'	B-1	1/28/2003	ND < 1.0	----	----	----	----	----	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-2 @ 4.5'	B-2	1/17/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-2 @ 8'	B-2	1/17/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-2 @ 12'	B-2	1/17/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-3 @ 4'	B-3	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-3 @ 8'	B-3	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-3 @ 12'	B-3	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-4 @ 4'	B-4	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.16**	----	----	----	----	**1.5**	ND < 10	----	----	----
SB-4 @ 8'	B-4	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.047**	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-4 @ 12'	B-4	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.92**	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-5 @ 4'	B-5	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-5 @ 8'	B-5	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.095**	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-5 @ 12'	B-5	1/28/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.053**	----	----	----	----	**1.5**	ND < 10	----	----	----
SB-6 @ 5'	B-6	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-6 @ 8'	B-6	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----
SB-6 @ 12'	B-6	1/22/2003	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	----	----	----	----	ND < 1.0	ND < 10	----	----	----

Sample ID	Sample Location	Sample Date	Cadmium (ppm)	Chromium (ppm)	Copper (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
SB-1 @ 4'	B-1	1/28/2003	ND < 0.50	**190**	**14**	**13**	**140**	**39**
SB-1 @ 8'	B-1	1/28/2003	ND < 0.50	**200**	**12**	ND < 1.0	**160**	**25**
SB-1 @ 12'	B-1	1/28/2003	ND < 0.50	**190**	**11**	ND < 1.0	**170**	**25**

Table 2 (cont.)
Soil Analytical Results
Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	EDB (ppm)	Methanol (ppm)	Ethanol (ppm)
SB-7 @ 4'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-7 @ 8'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-7 @ 12'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-7 @ 16'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-7 @ 20'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-7 @ 24'	B-7	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**1.3**	ND < 10	----	----	----
SB-8 @ 3'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-8 @ 7'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-8 @ 12'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-8 @ 16'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-8 @ 20'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-8 @ 22'	B-8	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 4'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 1.0	----	----	----
SB-9 @ 5.5'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 8'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.011**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 12'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 16'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 18'	B-9	9/29/2004	**4,000**	ND < 2.5	ND < 2.5	**226**	**80**	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 25	**11**	ND < 10	----	----	----
SB-9 @ 22'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-9 @ 24'	B-9	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-10 @ 3'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.062**	**0.019**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**1.2**	**30**	----	----	----
SB-10 @ 8'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.008**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-10 @ 9'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.005**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**3.7**	ND < 10	----	----	----
SB-10 @ 12'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-10 @ 14'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.006**	ND < 0.005	**0.015**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**1.4**	ND < 10	----	----	----
SB-10 @ 16'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.011**	**0.012**	**0.011**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**1.0**	ND < 10	----	----	----
SB-10 @ 17'	B-10	9/29/2004	**890**	ND < 5.0	ND < 5.0	**132**	**29**	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	**110**	ND < 10	----	----	----
SB-10 @ 20'	B-10	9/29/2004	ND < 110	ND < 1.1	**7.9**	**8.7**	**1.6**	ND < 1.1	ND < 1.1	ND < 1.1	ND < 1.1	ND < 11	**1.3**	ND < 10	----	----	----
SB-10 @ 24'	B-10	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----

Table 2 (cont.)
Soil Analytical Results
Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	EDB (ppm)	Methanol (ppm)	Ethanol (ppm)
SB-11 @ 4'	B-11	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-11 @ 8'	B-11	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-11 @ 12'	B-11	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.082**	ND < 0.005	**0.006**	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-11 @ 14.5'	B-11	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.14**	ND < 0.005	**0.01**	ND < 0.005	**0.16**	ND < 1.0	ND < 10	----	----	----
SB-11 @ 20'	B-11	9/29/2004	**1.2**	ND < 0.005	**0.021**	**0.041**	**0.078**	**0.25**	ND < 0.005	**0.027**	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-11 @ 24'	B-11	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-12 @ 4'	B-12	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.007**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-12 @ 8'	B-12	9/29/2004	**1**	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**4.1**	ND < 0.005	**0.17**	ND < 0.005	**2.2**	ND < 1.0	ND < 10	----	----	----
SB-12 @ 12'	B-12	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.69**	ND < 0.005	**0.013**	ND < 0.005	**0.33**	ND < 1.0	ND < 10	----	----	----
SB-12 @ 16'	B-12	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.3**	ND < 0.005	**0.008**	ND < 0.005	**0.19**	ND < 1.0	ND < 10	----	----	----
SB-12 @ 20'	B-12	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.35**	ND < 0.005	**0.018**	ND < 0.005	**0.086**	ND < 1.0	ND < 10	----	----	----
SB-12 @ 24'	B-12	9/29/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-13 @ 4'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	**21**	----	----	----
SB-13 @ 8'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.062**	ND < 0.005	**0.007**	ND < 0.005	**0.16**	ND < 1.0	ND < 10	----	----	----
SB-13 @ 12'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.76**	ND < 0.005	**0.084**	ND < 0.005	**0.11**	ND < 1.0	ND < 10	----	----	----
SB-13 @ 16'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.083**	ND < 0.005	**0.006**	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-13 @ 20'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.45	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-13 @ 21'	B-13	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-14 @ 4'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	**39**	----	----	----
SB-14 @ 8'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.007**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-14 @ 12'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.24**	ND < 0.005	**0.025**	ND < 0.005	**0.094**	ND < 1.0	ND < 10	----	----	----
SB-14 @ 16'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.039**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-14 @ 20'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	**1**	ND < 10	----	----	----
SB-14 @ 24'	B-14	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 4'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 8'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.007**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 12'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.49**	ND < 0.005	**0.029**	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 16'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	**0.069**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 20'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----
SB-15 @ 24'	B-15	9/30/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.01	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	ND < 1.0	ND < 10	----	----	----

Table 2 (cont.)
Soil Analytical Results
Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	EDB (ppm)	Methanol (ppm)	Ethanol (ppm)
MW-1 @ 9'	MW-1	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**17.2**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-1 @ 13'	MW-1	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-1 @ 17'	MW-1	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-1 @ 21'	MW-1	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-1 @ 25'	MW-1	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 8'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 12'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 16'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 20'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 24'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-2 @ 28'	MW-2	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-3 @ 10'	MW-3	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-3 @ 15'	MW-3	5/10/2006	**2.900**	ND < 0.0050	ND < 0.0050	**0.052**	**0.0347**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-3 @ 20'	MW-3	5/10/2006	**2.670**	ND < 0.0050	**0.0156**	**0.0719**	**0.0991**	**0.0088**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-3 @ 30'	MW-3	5/10/2006	**0.166**	ND < 0.0050	**0.0161**	**0.0193**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 8'	MW-4	5/9/2006	**0.063**	**0.0083**	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.0114**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 12'	MW-4	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.0295**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 16'	MW-4	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 20'	MW-4	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 24'	MW-4	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-4 @ 28'	MW-4	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-5 @ 8'	MW-5	5/10/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-5 @ 10'	MW-5	5/10/2006	**0.072**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.0758**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-6 @ 10'	MW-6	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-6 @ 15'	MW-6	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-6 @ 20'	MW-6	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-7 @ 10'	MW-7	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-7 @ 15'	MW-7	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-7 @ 20'	MW-7	5/11/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 8'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 12'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 16'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 20'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 24'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----
MW-8 @ 28'	MW-8	5/9/2006	ND < 0.0600	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 1.0	ND < 10	----	----	----

Notes:

TPHg: Total petroleum hydrocarbons as gasoline.
MTBE: Methyl tertiary butyl ether
DIPE: Diisopropyl ether
TAME: Tertiary amyl methyl ether
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
TPHd: Total petroleum hydrocarbons as diesel.
EDB: 1,2-Dibromoethane
ppm: parts per million = µg/g = mg/kg = 1000 µg/kg
ND: Not detected. Sample was detected below the method detection limit as shown.

Table 2 (cont.)
Soil Analytical Results

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	SB-1@4'		**Sample ID**	SB-1@4'	
Sample Date	1/28/2003		**Sample Date**	1/28/2003	
ANALYTE	R/L	Results/ppm	ANALYTE	R/L	Results/ppm
Dichlorodiflouromethane	0.005	ND	Dibromochloromethane	0.005	ND
Chloromethane	0.005	ND	1,2-Dibromoethane	0.005	ND
Vinyl chloride	0.005	ND	Chlorobenzene	0.005	ND
Bromomethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
Chloroethane	0.005	ND	Ethylbenzene	0.005	ND
Trichlorofluoromethane	0.005	ND	m,p-Xylene	0.005	ND
Acetone	0.05	ND	o-Xylene	0.005	ND
1,1-Dichloroethene	0.005	ND	Styrene	0.005	ND
Iodomethane	0.005	ND	Bromoform	0.005	ND
Methylene chloride	0.005	ND	Isopropylbenzene	0.005	ND
Carbon disulfide	0.005	ND	Bromobenzene	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
1,1-Dichloroethane	0.005	ND	1,2,3-Trichloropropane	0.005	ND
2-Butanone	0.05	ND	n-Propylbenzene	0.005	ND
2,2-Dichloropropane	0.005	ND	2-Chlorotoluene	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	4-Chlorotoluene	0.005	ND
Bromochloromethane	0.005	ND	1,3,5-Trimethylbenzene	0.005	ND
Chloroform	0.005	ND	tert-Butylbenzene	0.005	ND
1,1,1-Trichloroethane	0.005	ND	1,2,4-Trimethylbenzene	0.005	ND
Carbon tetrachloride	0.005	ND	sec-Butylbenzene	0.005	ND
1,1-Dichloropropene	0.005	ND	1,3-Dichlorobenzene	0.005	ND
Benzene	0.005	ND	4-Isopropyltoluene	0.005	ND
1,2-Dichloroethane	0.005	ND	1,4-Dichlorobenzene	0.005	ND
Trichloroethene	0.005	ND	1,2-Dichlorobenzene	0.005	ND
1,2-Dichloropropane	0.005	ND	n-Butylbenzene	0.005	ND
Dibromomethane	0.005	ND	1,2-Dibromo-3-chloropropane	0.005	ND
Bromodichloromethane	0.005	ND	1,2,4-Trichlorobenzene	0.005	ND
cis-1,3-Dichloropropene	0.005	ND	Hexachlorobutadiene	0.005	ND
4-Methyl-2-pentanone	0.05	ND	Naphthalene	0.005	ND
Toluene	0.005	ND	1,2,3-Trichlorobenzene	0.005	ND
trans-1,3-Dichloropropene	0.005	ND	Ethanol	0.10	ND
1,1,2-Trichloroethane	0.005	ND	tert-Butanol	0.05	ND
Tetrachloroethene	0.005	ND	MTBE	0.005	ND
1,3-Dichloropropane	0.005	ND	Diisopropyl ether	0.005	ND
2-Hexanone	0.05	ND	Tethyl tert-butyl ether	0.005	ND
1,2-Dibromoethane	0.005	ND	tert-Amyl methyl ether	0.005	ND

Notes:
TPHg: Total petroleum hydrocarbons as gasoline
TPHd: Total petroleum hydrocarbons as diesel
MTBE: Methyl tertiary butyl ether
ETBE: Ethyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
TBA: Tertiary butanol
DIPE: Diisopropyl ether
ppm: parts per million = µg/g = mg/kg = 1000µg/kg.
TPHmo: Total petroleum hydrocarbons as motor oil
EDB: 1,2-dibromoethane
ND: Not detected at or above the method detection limit as shown.

Table 3
Groundwater Analytical Results

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Sample Location	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
8-8A	8-8A	1/10/1989	ND < 5,000	---	---	---	---	---	---	---	---	---	---	---
SBGW-7	B-7	9/30/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
SBGW-8	B-8	9/30/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
SBGW-9	B-9	9/30/2004	ND < 50	ND < 0.5	**1.5**	**4.2**	**2.1**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
SBGW-10	B-10	9/30/2004	**3,600**	**57**	**720**	**980**	**200**	**53**	ND < 0.5	**11**	ND < 0.5	ND < 5.0	**180**	ND < 500
SBGW-11	B-11	9/30/2004	**1,300**	**6.2**	**150**	**422**	**140**	**250**	ND < 0.5	**30**	ND < 0.5	ND < 5.0	----	----
SBGW-12	B-12	9/30/2004	**100**	**1.3**	ND < 0.5	**2.5**	**0.6**	**130**	ND < 0.5	**7.3**	ND < 0.5	ND < 5.0	**78**	ND < 500
SBGW-13	B-13	9/30/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**13**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	**61**	ND < 500
SBGW-14	B-14	9/30/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
SBGW-15	B-15	9/30/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**5.4**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500

Notes:

TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Diisopropyl ether
TPHmo: Total petroleum hydrocarbons as motor oil
TPHd: Total petroleum hydrocarbons as diesel
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
ppb: parts per billion = µg/L = 0.001 mg/L = 0.001 ppm.
ND: Not detected at or above the method detection limit as shown.

Table 4
Domestic Well Groundwater Analytical Results

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample ID	Domestic Well		**Sample ID**	Domestic Well	
Sample Date	1/17/2003		**Sample Date**	1/17/2003	
ANALYTE	R/L	Results/ppb	ANALYTE	R/L	Results/ppb
Methanol	5.0	ND	TPHg	50	ND
TPHmo	500	ND	TPHd	50	ND
Dichlorodiflouromethane	0.5	ND	Dibromochloromethane	0.5	ND
Chloromethane	0.5	ND	1,2-Dibromoethane	0.5	ND
Vinyl chloride	0.5	ND	Chlorobenzene	0.5	ND
Bromomethane	0.5	ND	1,1,1,2-Tetrachloroethane	0.5	ND
Chloroethane	0.5	ND	Ethylbenzene	0.5	ND
Trichlorofluoromethane	0.5	ND	m,p-Xylene	0.5	ND
Acetone	5.0	ND	o-Xylene	0.5	ND
1,1-Dichloroethene	0.5	ND	Styrene	0.5	ND
Iodomethane	0.5	ND	Bromoform	0.5	ND
Methylene chloride	5.0	ND	Isopropylbenzene	0.5	ND
Carbon disulfide	0.5	ND	Bromobenzene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND	1,1,2,2-Tetrachloroethane	0.5	ND
1,1-Dichloroethane	0.5	ND	1,2,3-Trichloropropane	0.5	ND
2-Butanone	5.0	ND	n-Propylbenzene	0.5	ND
2,2-Dichloropropane	0.5	ND	2-Chlorotoluene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND	4-Chlorotoluene	0.5	ND
Bromochloromethane	0.5	ND	1,3,5-Trimethylbenzene	0.5	ND
Chloroform	0.5	ND	tert-Butylbenzene	0.5	ND
1,1,1-Trichloroethane	0.5	ND	1,2,4-Trimethylbenzene	0.5	ND
Carbon tetrachloride	0.5	ND	sec-Butylbenzene	0.5	ND
1,1-Dichloropropene	0.5	ND	1,3-Dichlorobenzene	0.5	ND
Benzene	0.5	ND	4-Isopropyltoluene	0.5	ND
1,2-Dichloroethane	0.5	ND	1,4-Dichlorobenzene	0.5	ND
Trichloroethene	0.5	ND	1,2-Dichlorobenzene	0.5	ND
1,2-Dichloropropane	0.5	ND	n-Butylbenzene	0.5	ND
Dibromomethane	0.5	ND	1,2-Dibromo-3-chloropropane	0.5	ND
Bromodichloromethane	0.5	ND	1,2,4-Trichlorobenzene	0.5	ND
cis-1,3-Dichloropropene	0.5	ND	Hexachlorobutadiene	0.5	ND
4-Methyl-2-pentanone	5.0	ND	Naphthalene	0.5	ND
Toluene	0.5	ND	1,2,3-Trichlorobenzene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND	Ethanol	13	ND
1,1,2-Trichloroethane	0.5	ND	tert-Butanol	5.0	ND
Tetrachloroethene	0.5	ND	MTBE	0.5	ND
1,3-Dichloropropane	0.5	ND	Diisopropyl ether	0.5	ND
2-Hexanone	5.0	ND	Tethyl tert-butyl ether	0.5	ND
1,2-Dibromoethane	0.5	ND	tert-Amyl methyl ether	0.5	ND

Table 5
Groundwater Analytical Results from Monitoring Wells

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Sample Location	Annual Event	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
MW-1	Second Quarter	5/18/2006	ND < 50.0	**0.6**	ND < 0.5	ND < 1.0	ND < 0.5	**7.4**	ND < 0.5	**2.5**	ND < 0.5	ND < 50.0	ND < 50	ND < 50
MW-2	Second Quarter	5/18/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50
MW-3	Second Quarter	5/18/2006	**22,200**	**14.2**	**1,420**	**2,350**	**611**	ND < 20.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 1,000	ND < 50	ND < 50
MW-4	Second Quarter	5/18/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**3.7**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50.0	**3,530**	ND < 50
MW-5	Second Quarter	5/18/2006	**88.1**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**64.6**	ND < 0.5	**4.2**	ND < 0.5	**60.0**	ND < 50	ND < 50
MW-6	Second Quarter	5/18/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**1.4**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50
MW-7	Second Quarter	5/18/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50
MW-8	Second Quarter	5/18/2006	ND < 50.0	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	ND < 1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50.0	ND < 50	ND < 50

Notes:
TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
DIPE: Diisopropyl ether
TAME: Tertiary amyl methyl ether
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
TPHd: Total petroleum hydrocarbons as diesel
TPHmo: Total Petroleum hydrocarbons as motor oil
ppb: parts per billion = µg/l = 1,000 mg/l = 0.001 ppm.
ND: Not detected at or above the method detection limit as shown.

Figures

SunPacific Environmental Services
(707) 269-0884

AERIAL/TOPO MAP

Northcrest 76
1500 Northcrest Dr.
Crescent City, California 95531

Project No.	Report Date	Figure
SP-165	7/7/06	1

LEGEND

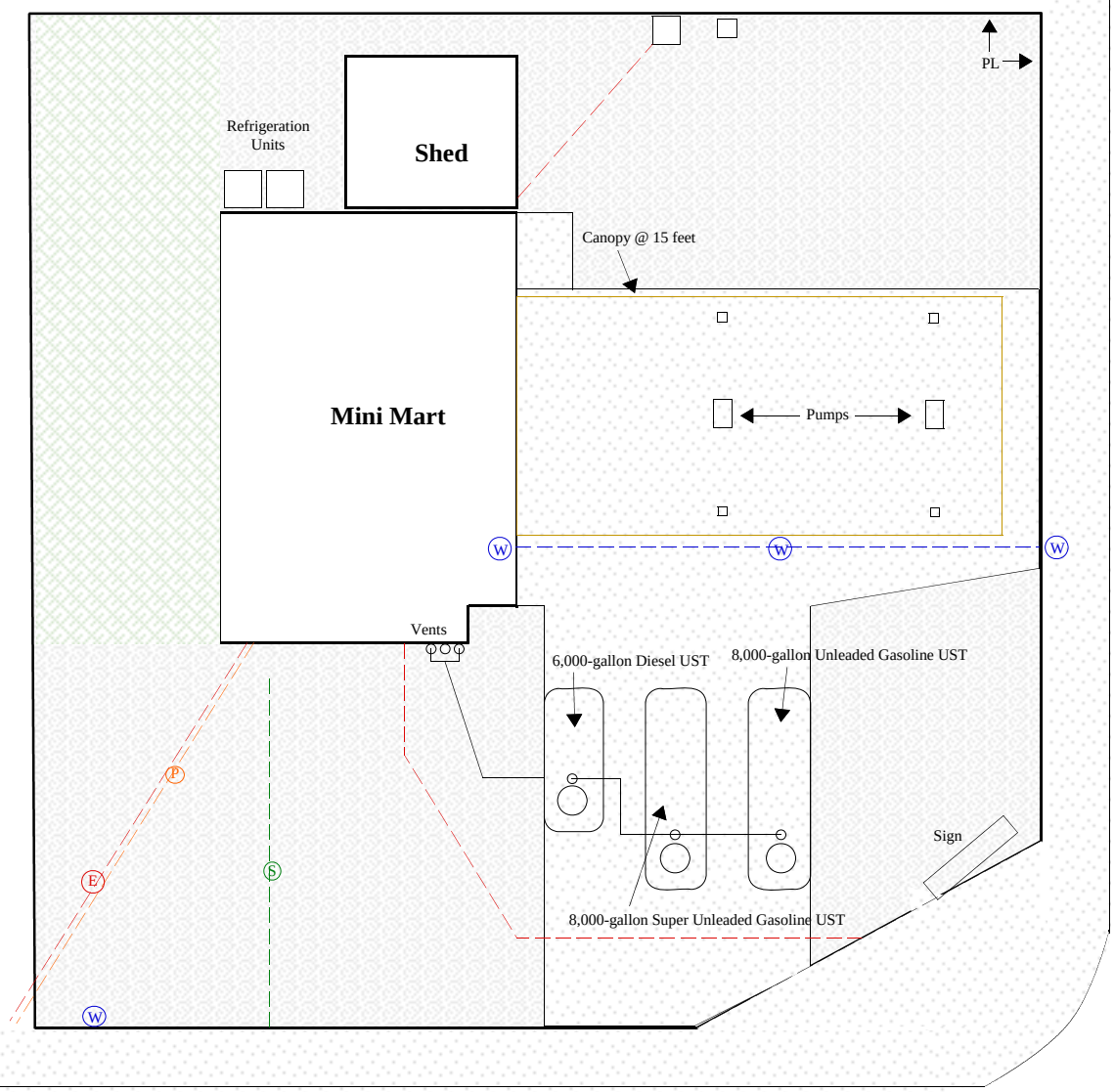
- Asphalt Surface
- Cement Surface
- Vegetation
- Ⓤ Above Ground Utility Pole
- Ⓦ Water Spigot
- Ⓦ Underground Water Line
- Ⓔ Under Ground Electric Line
- Ⓟ Under Ground Phone Line
- Ⓢ Underground Sewer Line

0 20 40

APPROXIMATE SCALE IN FEET

Rice Repair Storage Shed

Humboldt Moving & Storage



NORTH

Northcrest Drive

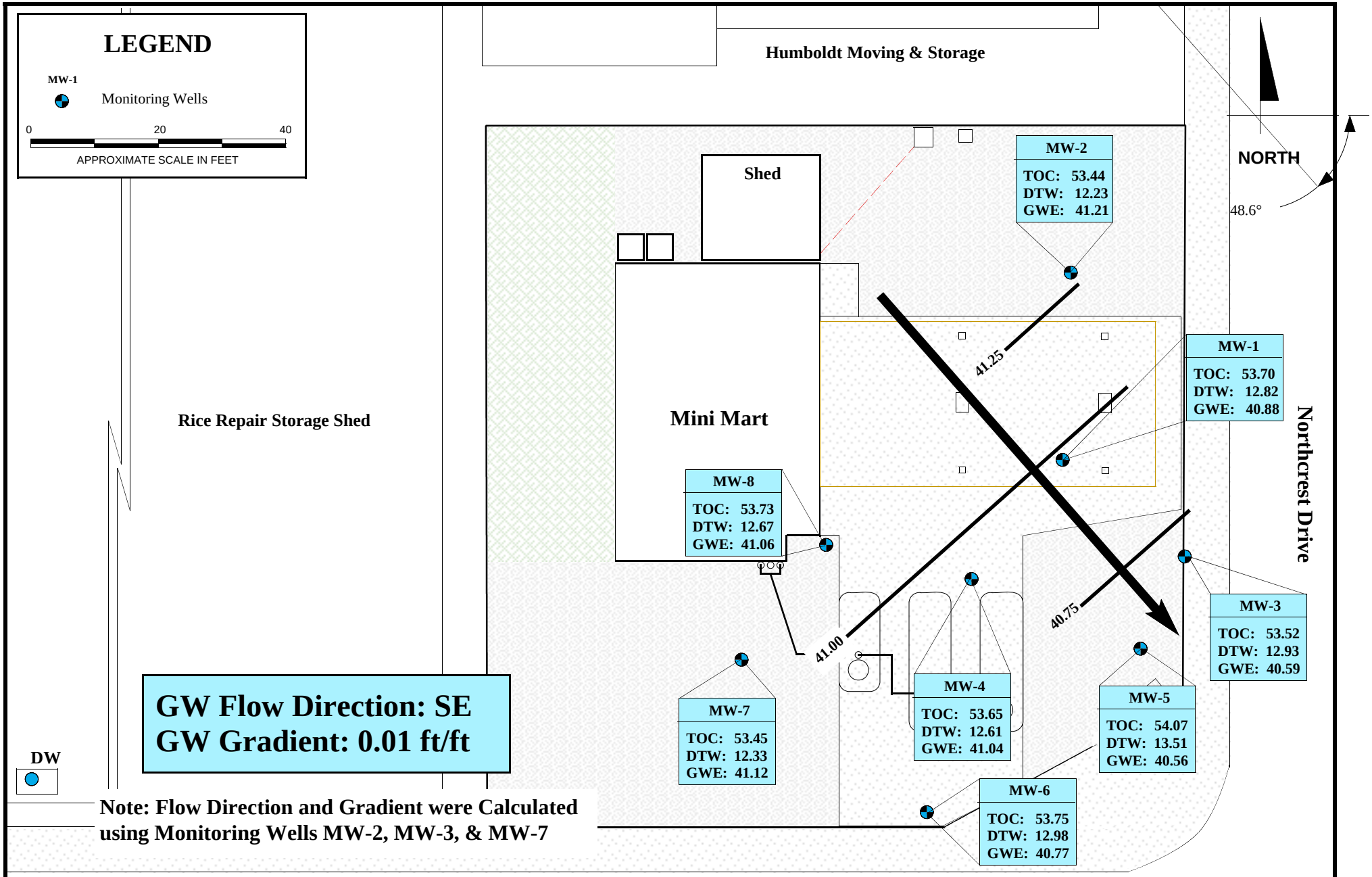
Washington Boulevard

Environmental Services

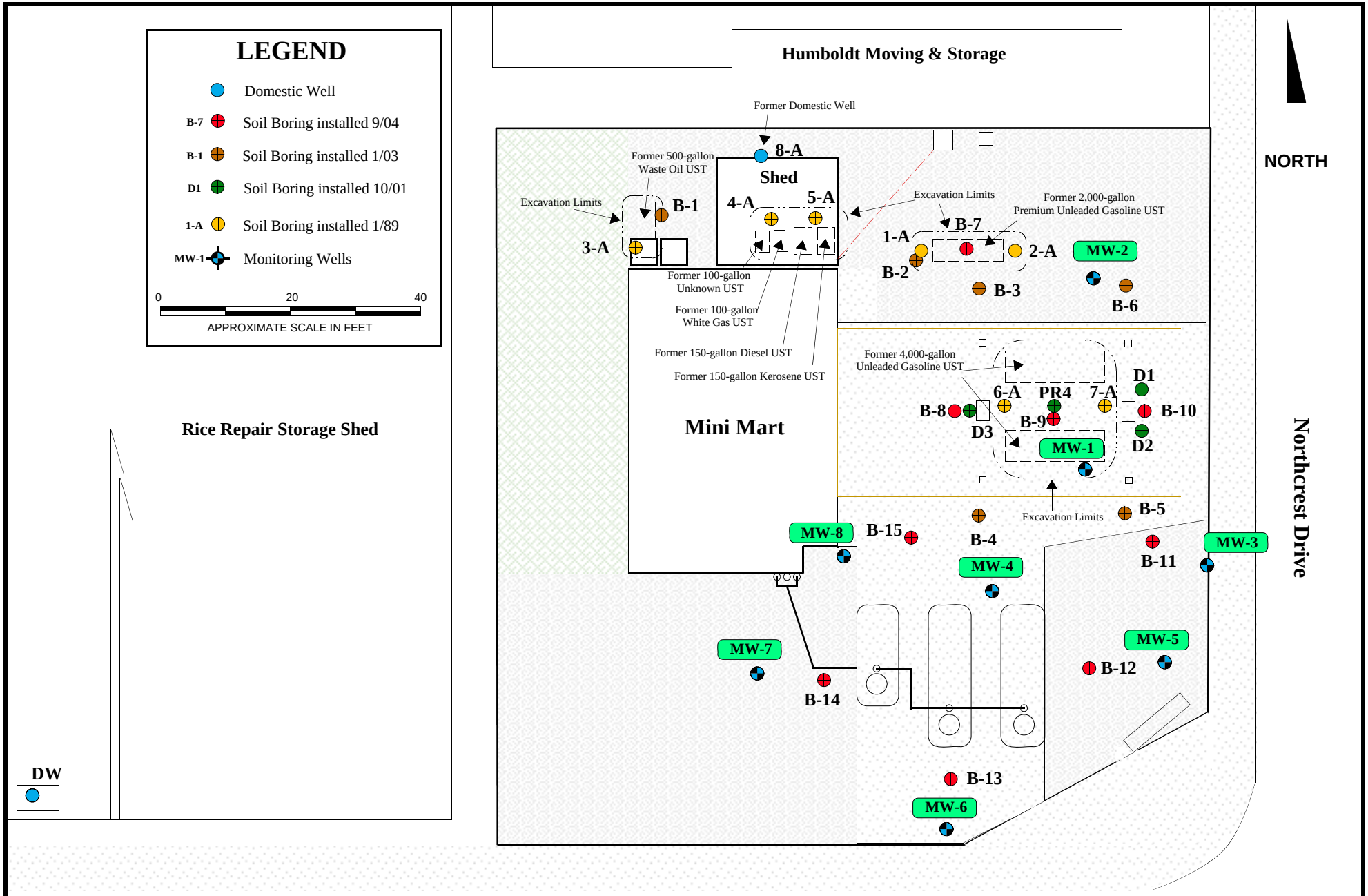
SITE PLAN

Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Report Date 7/7/2006

Figure 2



Environmental Services	GROUNDWATER FLOW DIRECTION & GRADIENT MAY 2006		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Report Date 7/7/2006	3

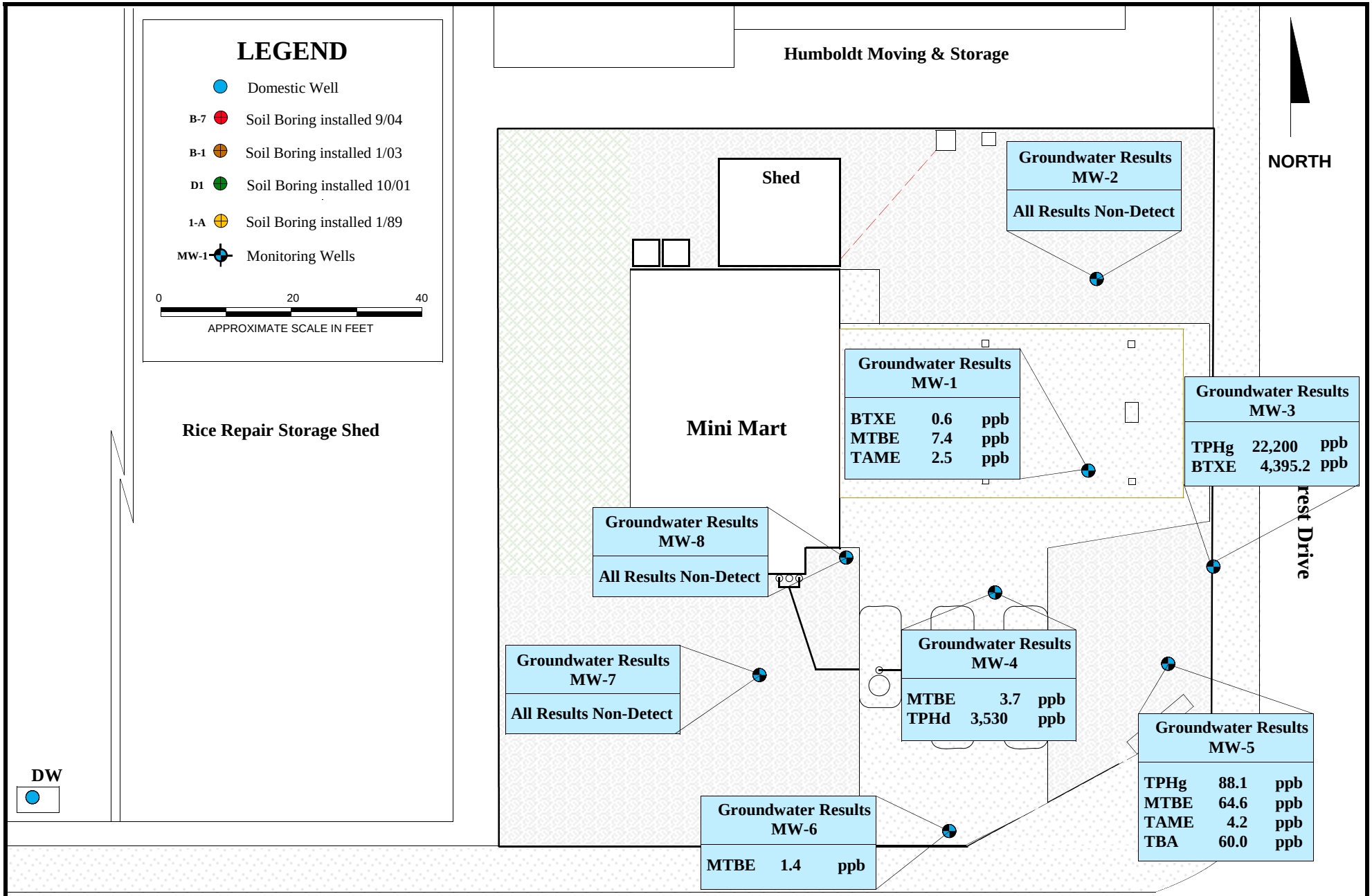


Environmental Services

SAMPLE LOCATION MAP

Figure 4

Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No.	Report Date
	SP-170	7/7/2006



Washington Boulevard

Environmental Services

GROUNDWATER ANALYTICAL RESULTS

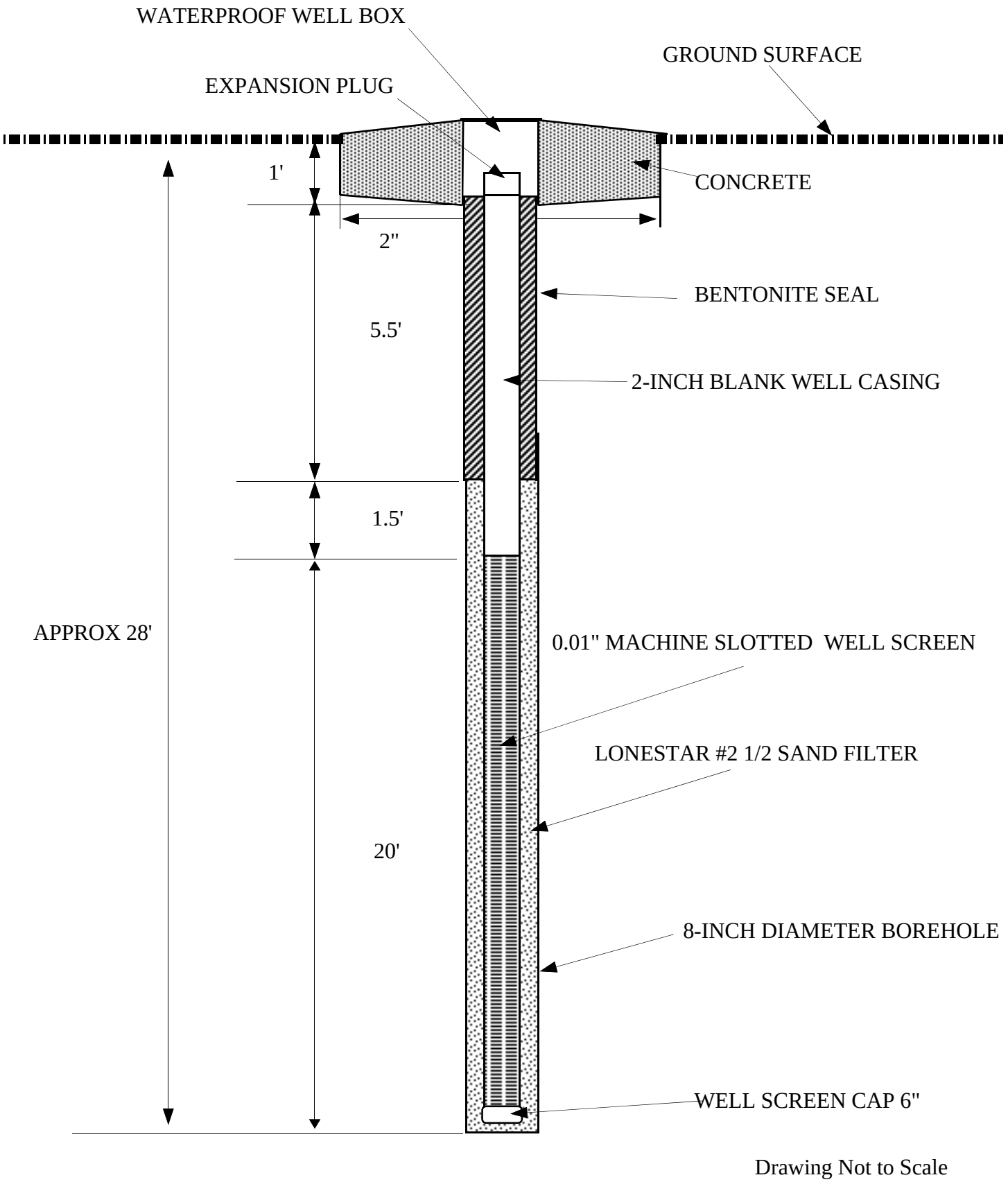
Figure 5

Northcrest 76
1500 Northcrest Drive
Crescent City, California 95531

Project No.	Report Date
SP-170	7/7/2006

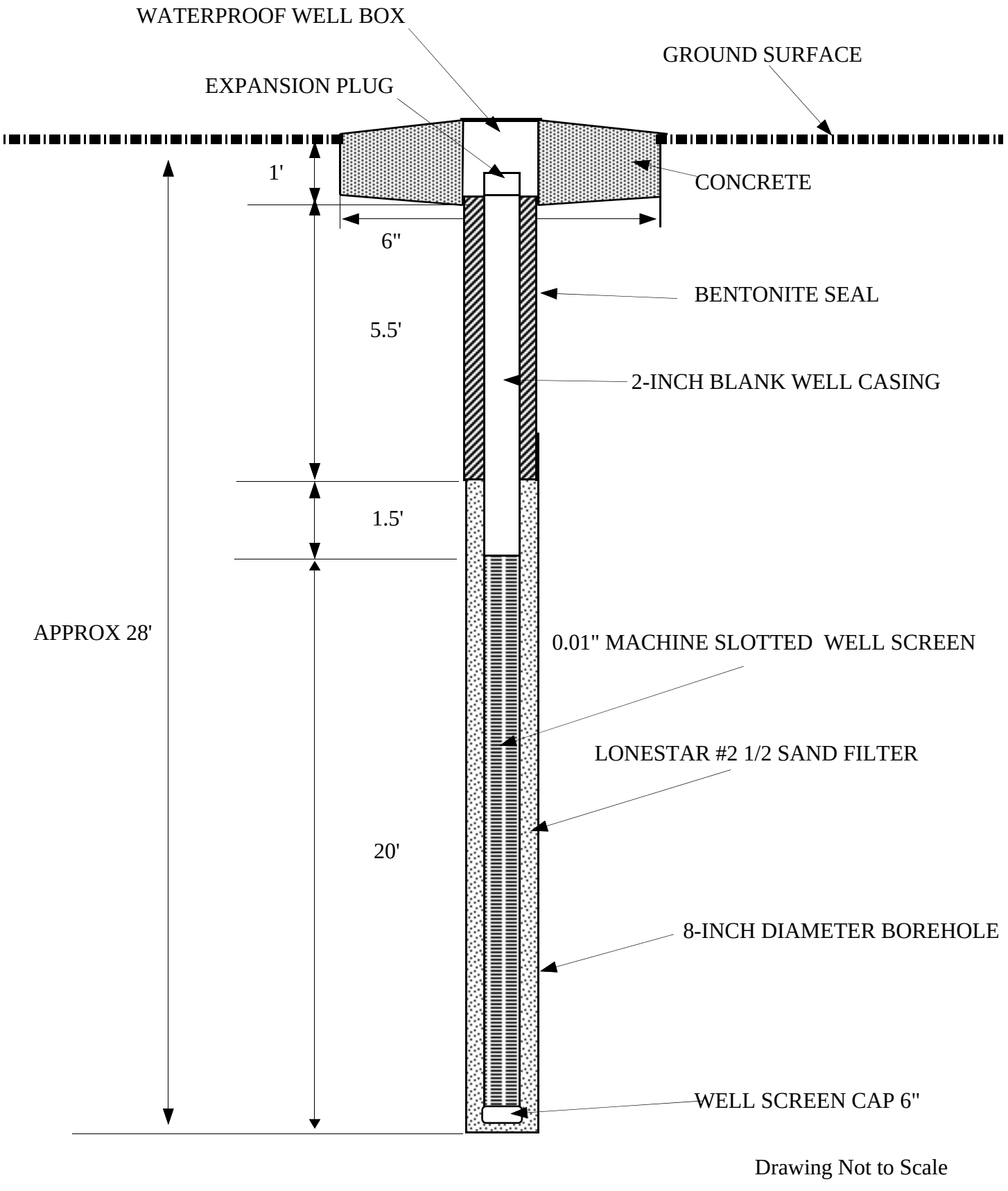
Appendices

Appendix A



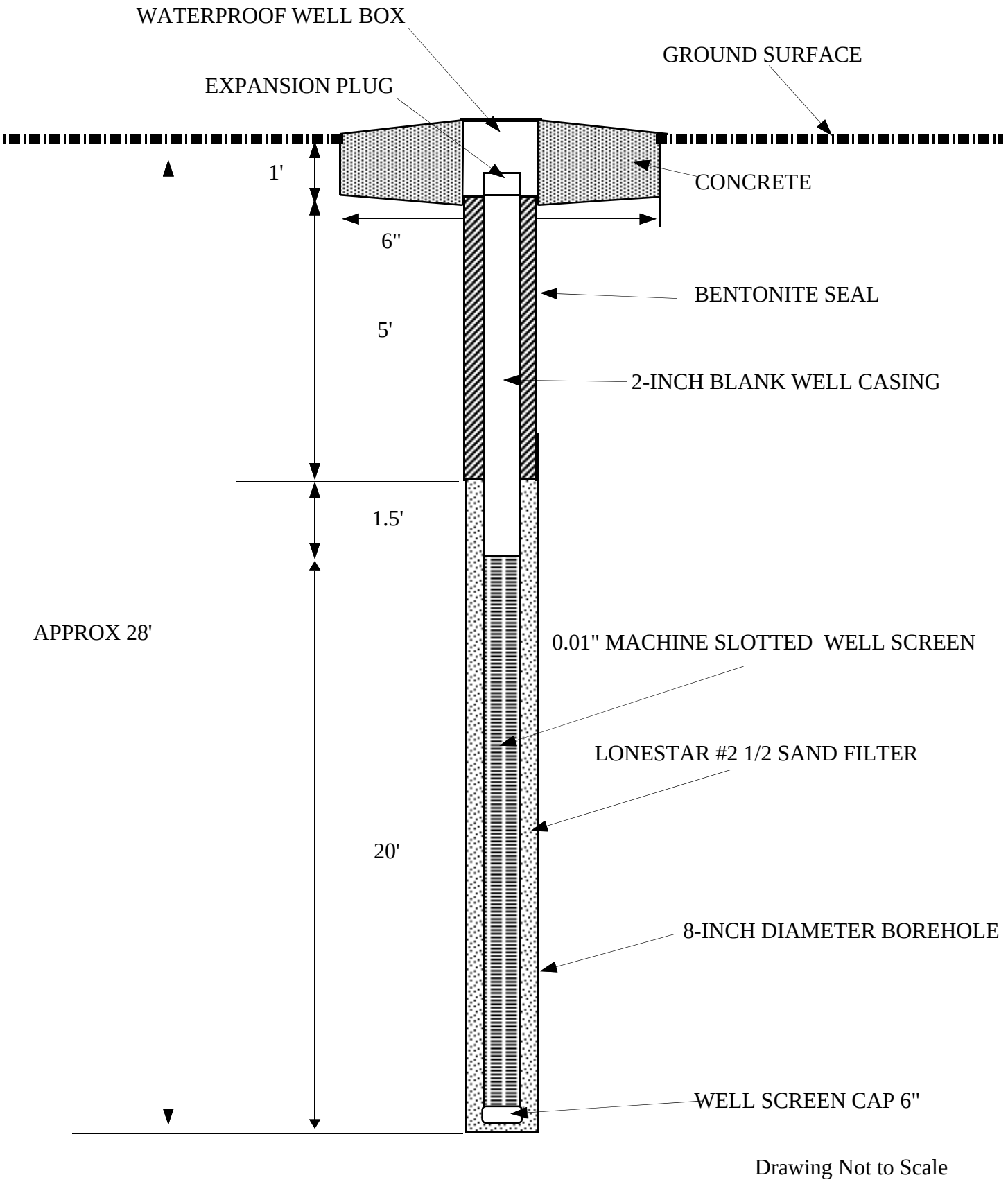
Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-1**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/09/06	MWC -1

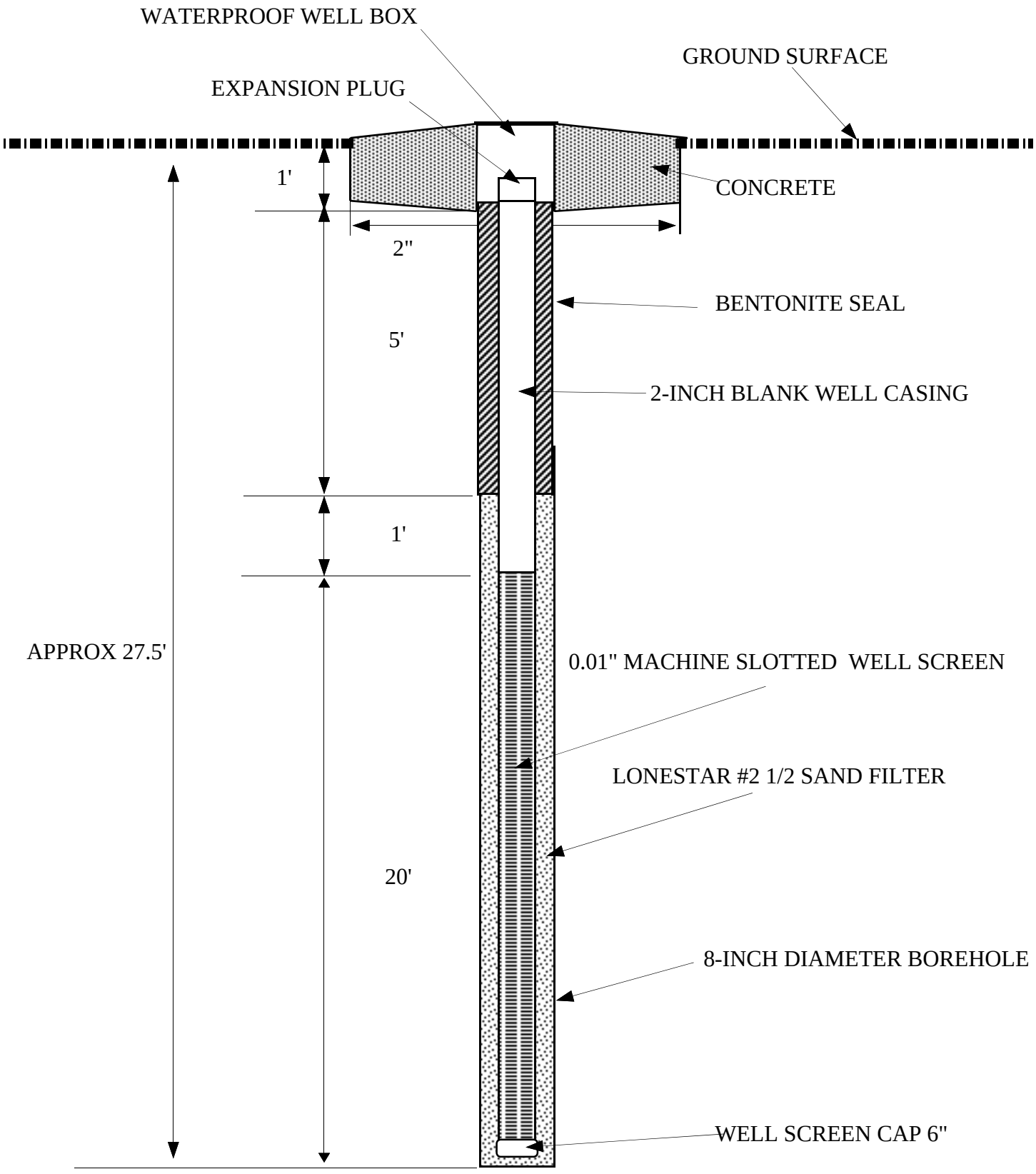


Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-2**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/10/06	MWC -2

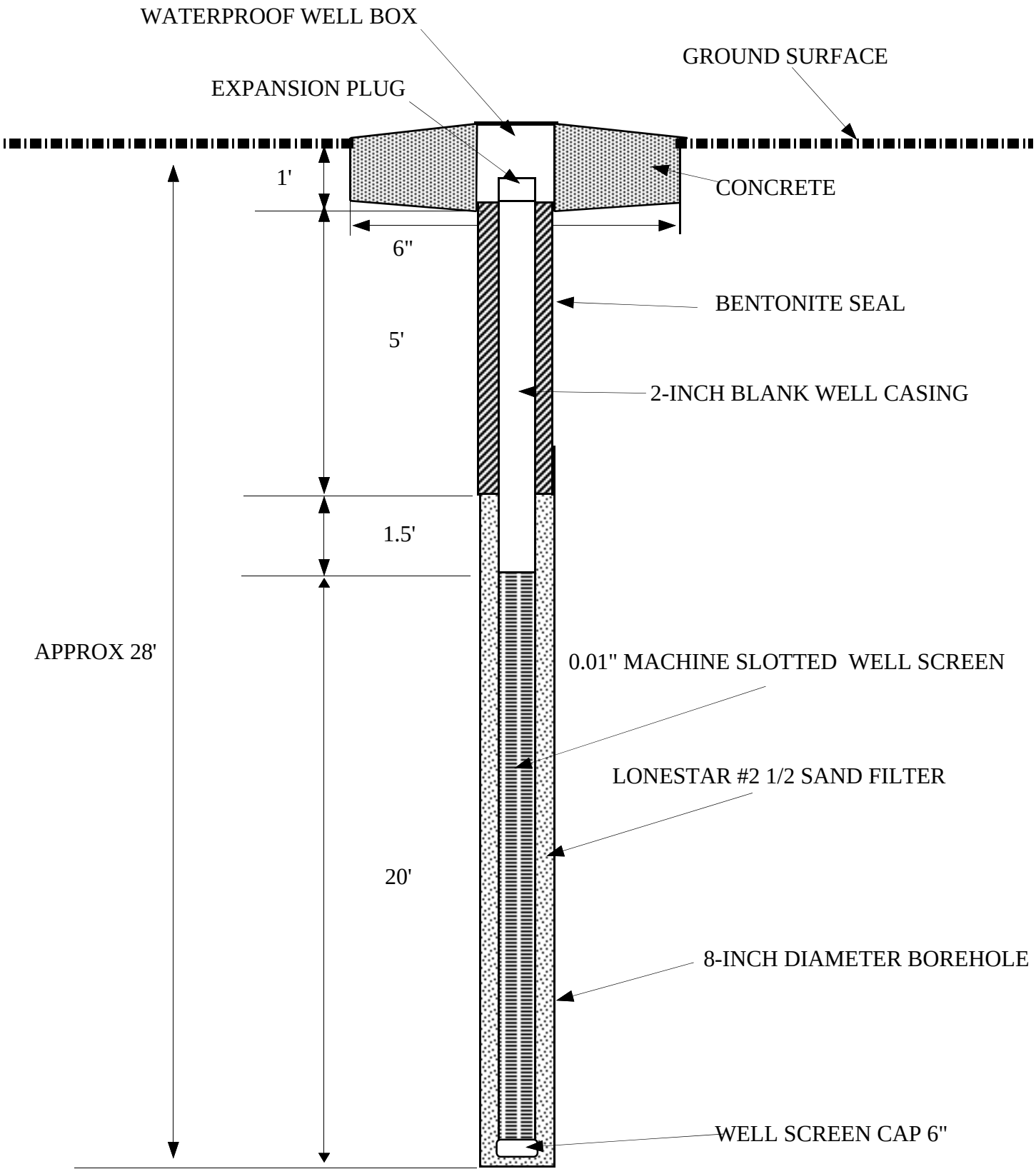


Environmental Services	**MONITORING WELL CONSTRUCTION - MW-3**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/10/06	MWC -3



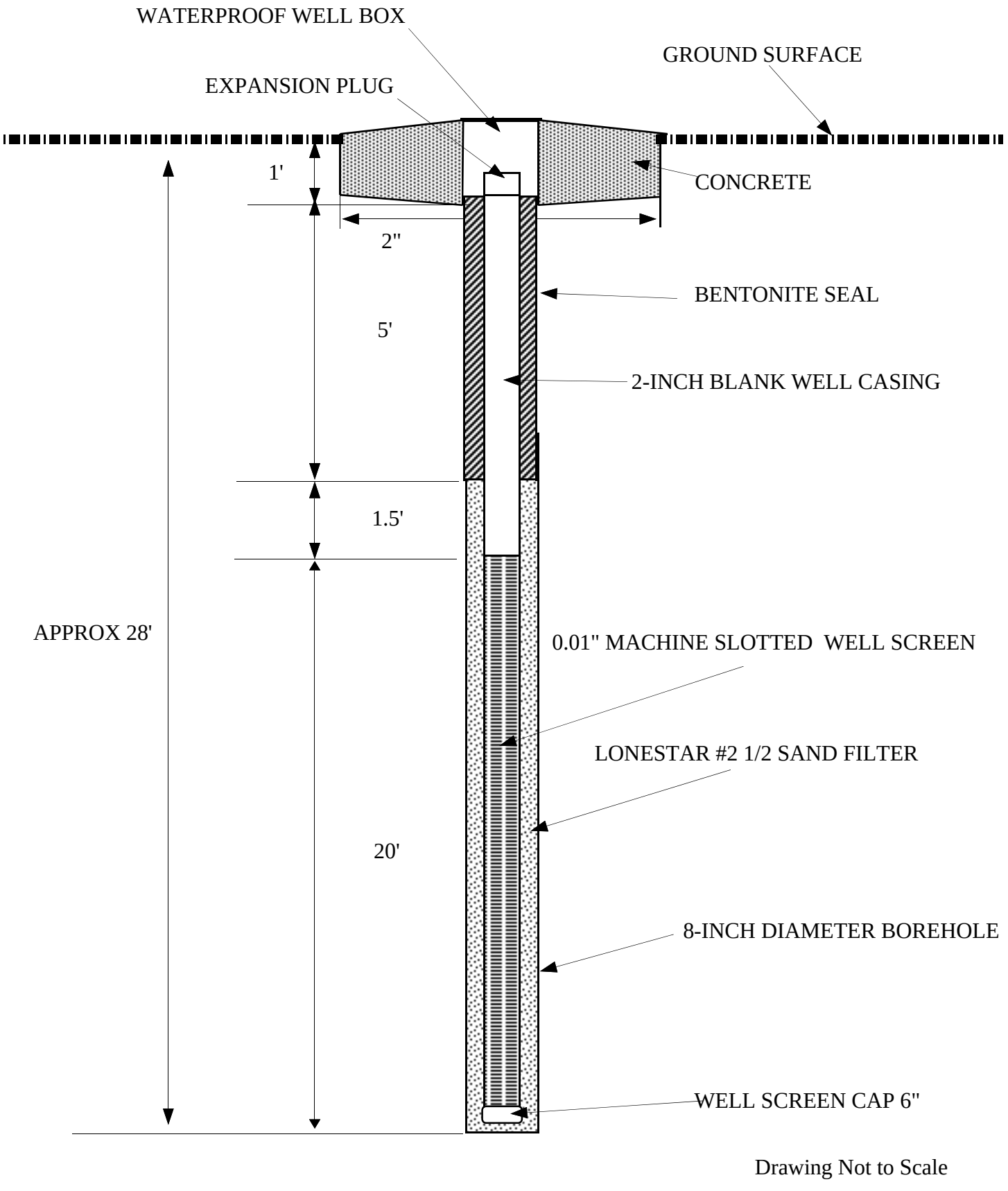
Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-4**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/09/06	MWC -4



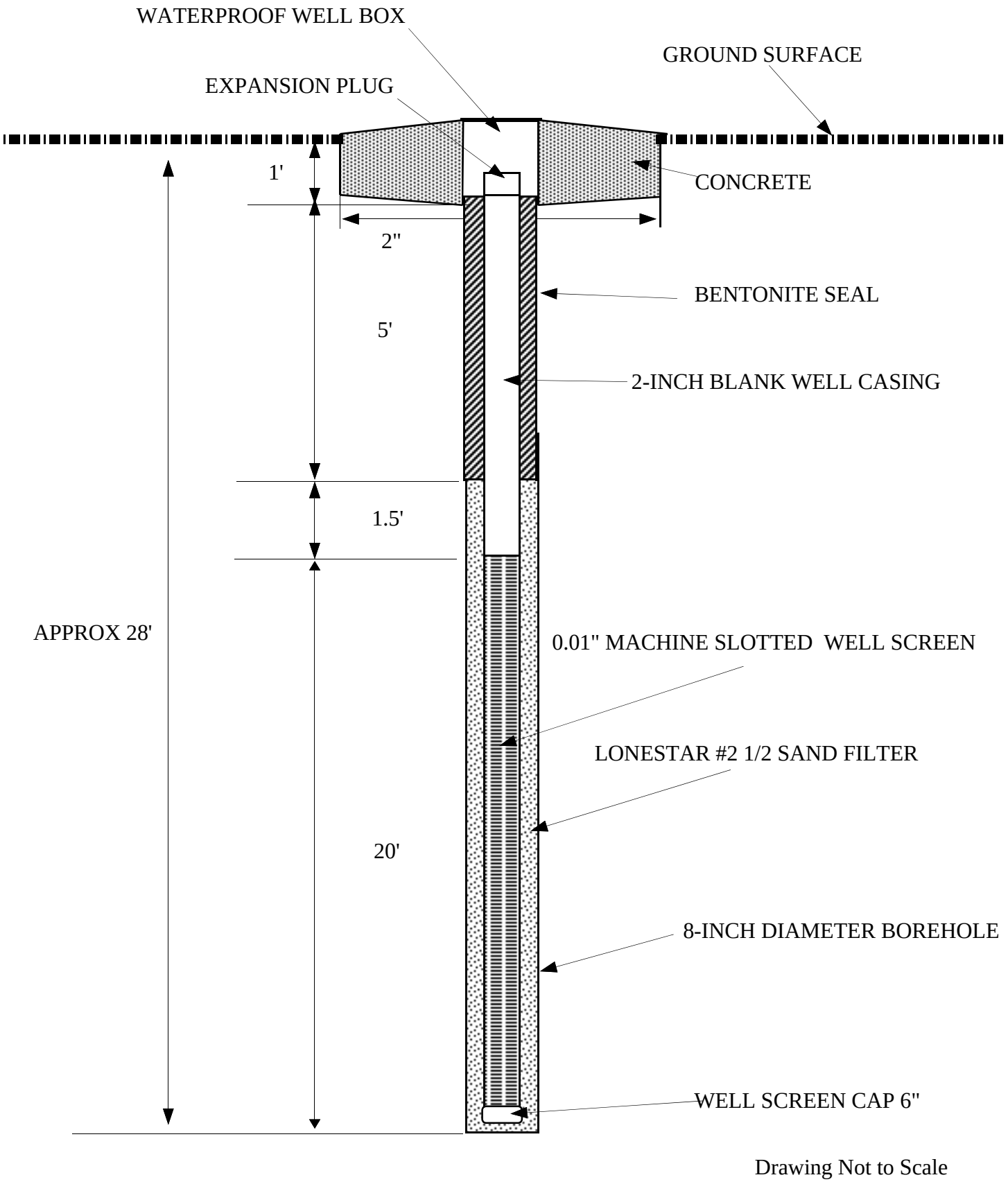
Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-5**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/10/06	MWC -5



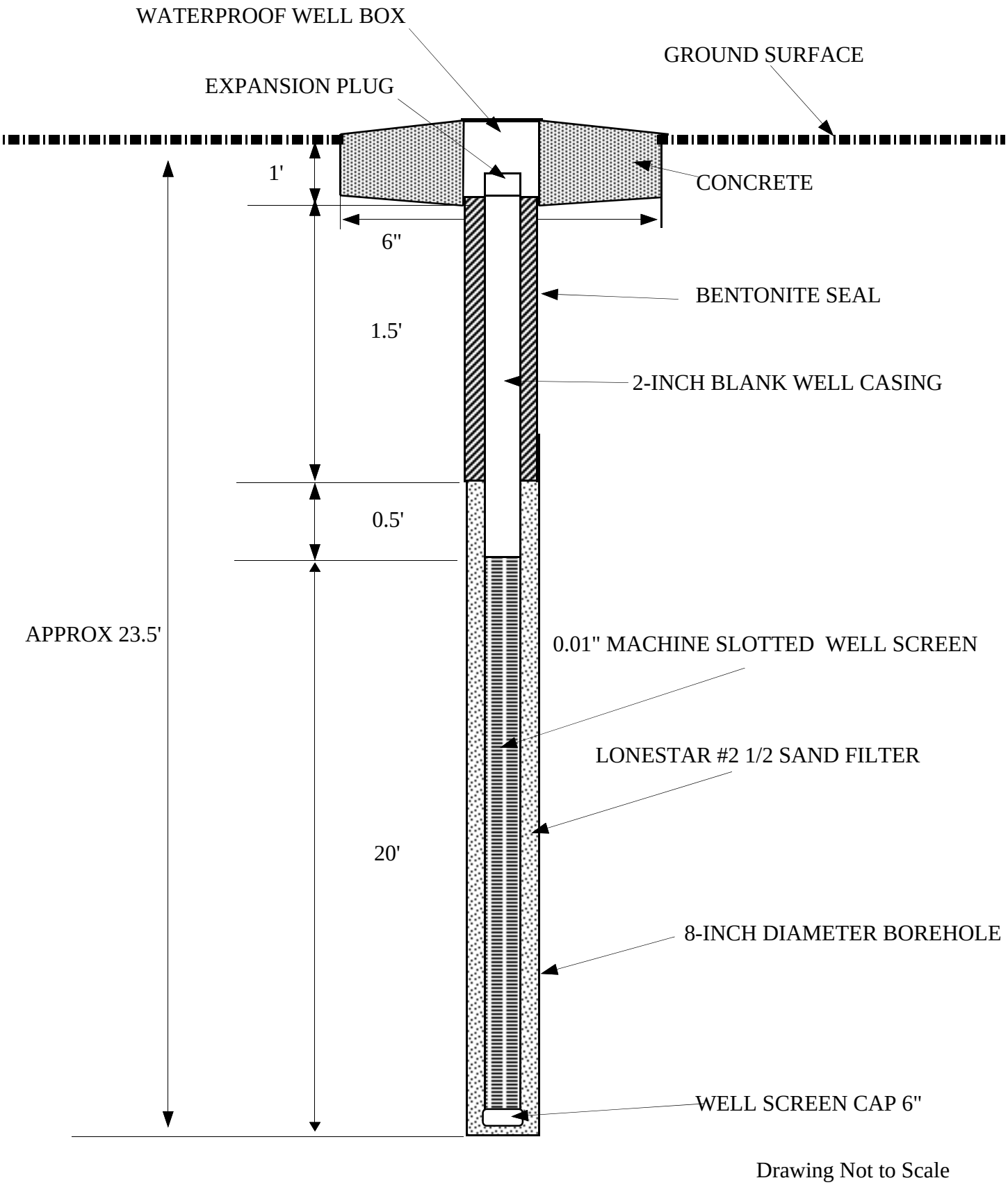
Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-6**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/11/06	MWC -6



Drawing Not to Scale

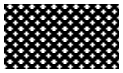
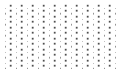
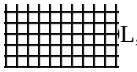
Environmental Services	**MONITORING WELL CONSTRUCTION - MW-7**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/11/06	MWC -7



Drawing Not to Scale

Environmental Services	**MONITORING WELL CONSTRUCTION - MW-8**		Figure
	Northcrest 76 1500 Northcrest Drive Crescent City, California 95531	Project No. SP-170	Drill Date 05/09/06	MWC -8

Legend for Boring Logs

	A, B, C AB CB	Asphalt, Base, Concrete Asphalt/Base Concrete/ Base
F	F	Fill, undifferentiated
	GP or GW	Gravel, poorly sorted (GP), well sorted (GW)
	GM or GC	Silty Gravel (GM), Clayey gravel (GC)
	SP or SW	Sand, poorly sorted (SP), well sorted (SW)
	SM or SC	Silty Sand (SM), Clayey Sand (SC)
	ML or MH	Inorganic Silt or Very Fine Sand (ML), Elastic Silt (MH)
	CL or CH	Inorganic Clay, low plasticity (CL), Inorganic Clay, high plasticity (C
	L, OH, or P	Organic Clay, low plasticity (OL), Organic Clay, high plasticity (OH), Peat (PT)

Gradational Contact

Abrupt or Sharp Contact

Initial Water Level

Stabilized Water Level

F

F after symbol indicates that the material appears to be fill SP-F

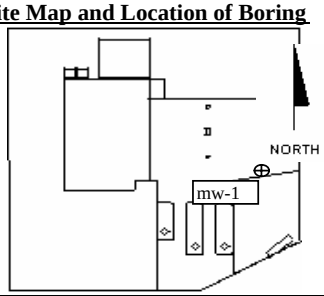
Boring Log

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
Big Oil & Tire	MW-1
Job#: SP-170	**Sheet**
Date: 5/9/2006	1 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	14 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.82 feet bgs 5/18/06	**Boring Depth:**	29.5 feet
		Temp. Well Screen?	No

Lat: 41.7729443 **Long:** -124.2006091 **Elevation:** 53.70 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									CB	**Concrete - 6" Base - 6"**
			1							
						100	T		SP	**Sand**, grey-brown (fill); increasing pea gravel with depth.
			2							Top of former excavation.
			3		100	T	T		GP	Pea Gravel (fill). Former Excavation
			4	*						
			5							
			6							
			7							
			8							
			9	*		100			SP	Sand, orange-brown
						95	5			
11.4			10			100				
			11							
			12							
			13	*		100				
						100				grey, coarse grained
10.2		▽	14							
			15							
			16							
			17	*		100				
9.9						100				
11			18							
	21.0'									
			19							
			20							

Comments: Top 3.5' hand augered on 4/28/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling.

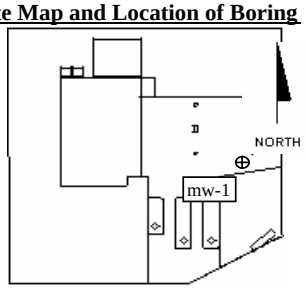
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-1
Job#: SP-170	**Sheet**
Date: 5/9/2006	2 of 16

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Mitchell Drilling
Rig Operator:	Ed Mitchell
Drilling Method	8" Hollow Stem Auger
Drill Rig Type:	CME
Approximate Initial Water Level	14 feet bgs
Approximate Stabilized Water Level	12.82 feet bgs 5/18/06

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Gary Johnson
Sampler:	Jeff Gaines
Sampling Method:	EPA 5035/Split Barrel
Reviewed By:	Andy Malone
Boring Diameter:	8 inch
Boring Depth:	29.5 feet
Temp. Well Screen?	No

Lat: 41.7729443 **Long:** -124.2006091 **Elevation:** 53.70 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
			21	*		100			SP	fine to medium
7.8						100				
			22							
			23							
			24							
8.6			25	*		100				
						100				
			26							
			27							
			28							
			29							
			30							
			31							Bottom of Boring 29.5 feet
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments: Boring drilled through former UST excavation pit.

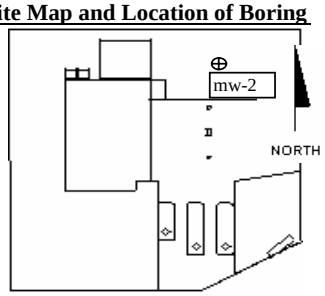
Boring Log

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
Big Oil & Tire	MW-2
Job#: SP-170	**Sheet**
Date: 5/10/2006	3 of 16

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Mitchell Drilling
Rig Operator:	Ed Mitchell
Drilling Method:	8" Hollow Stem Auger
Drill Rig Type:	CME
Approximate Initial Water Level	10-11 feet bgs
Approximate Stabilized Water Level	12.23 feet bgs 5/18/06

PROJECT INFORMATION

Project Manager:	Andy Malone
Geologist:	Gary Johnson
Sampler:	Jeff Gaines
Sampling Method:	EPA 5035/Split Barrel
Reviewed By:	Andy Malone
Boring Diameter:	8 inch
Boring Depth:	30 feet
Temp. Well Screen?	No

Lat: 41.7730747 **Long:** -124.2006334 **Elevation:** 53.44 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									AB	Asphalt - 3", Base 3"
			1						SM	**Silty sand**, orange-brown
			2							
			3						SP	**Sand** with minor silt, light orange-brown
			4	*						
			5							
			6						SM	**Silty sand** with minor clay, light brown
			7							
			8	*		60	30	10		
0.6			9							
			10							
		▽	11						SP	**Sand**, grey-brown, medium to coarse, mois
			12	*		100				
1.6			13			100				
			14			100				
			15							
			16	*		100				
1.8			17			100				
			18							
			19							
			20	*		100				

Comments: Top 4' hand augered on 4/26/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling.

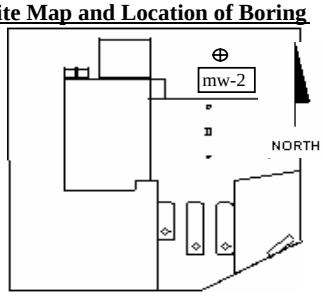
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-2
Job#: SP-170	**Sheet**
Date: 5/10/2006	4 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	10-11 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.23 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7730747 **Long:** -124.2006334 **Elevation:** 53.44 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
				*		100				
			21			100				
			22							
			23							
1.6			24	*		100				
						100				
			25							
			26						SP	
			27							
0.9			28	*		100				
						100				
			29							
			30							
										Bottom of Boring 30 feet
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments:

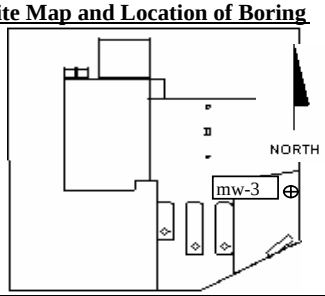
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-3
Job#: SP-170	**Sheet**
Date: 5/10/2006	5 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.93 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729652 **Long:** -124.2005355 **Elevation:** 53.52 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									AB	**Asphalt - 3", base 3"**
			1							
									SP/SM	**Silty Sand**, orange-brown
			2							
			3							
										Silty, clayey sand (cuttings), light orange-brow
			4	*						
									SM/SC	
			5							
			6							
			7							
										Silty Sand, light brown
			8							
			9						SM	
			10	*		85	15			
						80	20			
8			11			100				**Sand**, light brown, medium to coarse
			12							
			13							
			14							
			15	*		100				Grey, sllight odor
13.7						100			SP	
			16							
			17							
			18							
			19							
			20	*		100				

Comments: Top 4' hand augered on 4/26/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling. Overhead prevents use of mast.

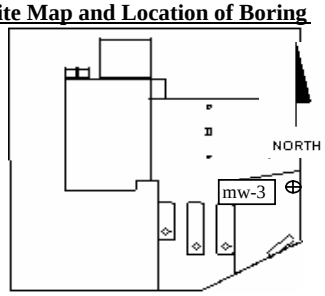
Boring Log

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
Big Oil & Tire	MW-3
Job#: SP-170	**Sheet**
Date: 5/10/2006	6 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.93 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729652 **Long:** -124.2005355 **Elevation:** 53.52 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
6.7						100			SP	
			21							
			22							
			23							
			24							
			25			100				
						100				
			26							
			27							
			28							
			29							
									SM/SC	Silty, clayey sand, from auger, slght odo
75			30	*		50	35	15		
										Bottom of Boring 30 feet
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments:

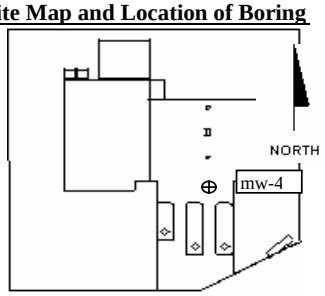
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-4
Job#: SP-170	**Sheet**
Date: 5/9/2006	7 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	14 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.61 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729528 **Long:** -124.2006760 **Elevation:** 53.65 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									CB	**Concrete - 6" Base (sand) - 6"**
			1							
										Sand, silty grey-brown (fill to unknown depth?)
			2							
			3							
			4	*						
			5							
			6							
			7			100				
						100				
			8	*		100				
1.9						100				
			9							orange-brown
						95	5			
			10			95	5			
3.2						95	5		SP	
			11			95	5			
						95	5			
			12	*						
5.3										
			13							grey-brown with orange
						100				
5			14			100				
						100				
			15							
5.1			16	*		100				
			17							
			18							
			19							
			20	*						

Comments: Top 5' hand augered on 4/28/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling.

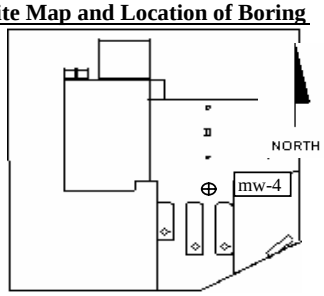
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-4
Job#: SP-170	**Sheet**
Date: 5/9/2006	8 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	10 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.61 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729528 **Long:** -124.2006760 **Elevation:** 53.65 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
						100				
6.6			21			95	5			**fine to medium**
						90	10	T		
			22							
			23							
7.3			24	*						
						100				
			25			100				
			26							
			27							
6.8			28	*		100				
						100				
			29							
			30							
										Bottom of Boring 29.5 feet
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

SP

Comments:

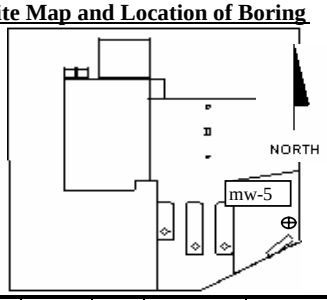
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-5
Job#: SP-170	**Sheet**
Date: 5/10/2006	9 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	14 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	13.51 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728979 **Long:** -124.2005478 **Elevation:** 54.07 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
										Asphalt - 5-6", Base 1'
			1						**AB**	
			2							**Silty Sand,** reddish, orange-brown
			3						**SM**	
			4	*						
			5							
			6						**SP/SM**	
			7							
0.4			8	*		85	15			
						90	10			
			9			95	5			**Sand**, orange-brown
0.4			10	*		90	10			
		▽				85	15	T		Silty
			11			100				
			12							
			13							
			14						**SP**	
0.2			15							No recovery, loose sand?
			16							
			17							
			18							
			19							
			20							

Comments: Top 4' hand augered on 4/26/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling. Overhead prevents use of mast.

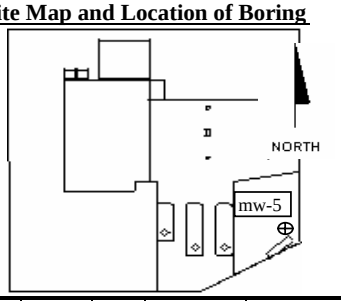
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-5
Job#: SP-170	**Sheet**
Date: 5/10/2006	10 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11+ feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	13.51 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728979 **Long:** -124.2005478 **Elevation:** 54.07 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
			21						SP	No recovery, loose sand
			22							
			23							
			24							
			25							
			26							
			27							
			28							
			29							
			30							
			31							Bottom of Boring 30 feet
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments:

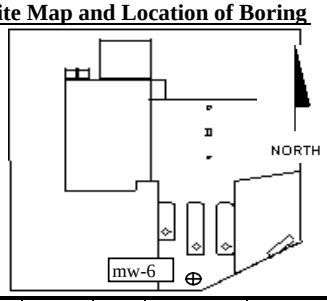
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-6
Job#: SP-170	**Sheet**
Date: 5/9/2006	11 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11 +/- feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.98 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728323 **Long:** -124.2006820 **Elevation:** 53.75 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									CB	**Concrete - 4-5", Base 8"**
			1							
										Silty Sand to Sandy Silt reddish, orange-brown
			2							
			3							Silty Sand
			4	*						
			5							
			6						SM	
			7							
			8							
			9							
3.0			10	*		80	20			
						80	20			
			11			100				**Sand**, medium to coarse, browr
			12							
			13							
			14							
3.0			15	*		100				
						100			SP	
			16			100				
			17							
			18							
			19							
6.0			20	*		100				

Comments: Top 4' hand augered on 4/28/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling. No mast due to overhead.

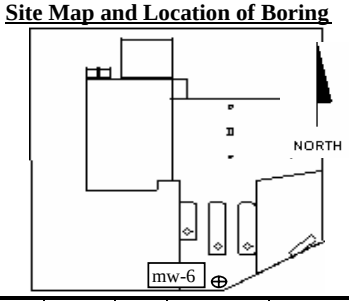
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-6
Job#: SP-170	**Sheet**
Date: 5/11/2006	12 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11 +/- feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.98 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728323 **Long:** -124.2006820 **Elevation:** 53.75 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
			21						SP	
			22							
			23							
			24							
			25							
			26							
			27							
			28							
			29							
			30							Bottom of Boring 30 feet
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments:

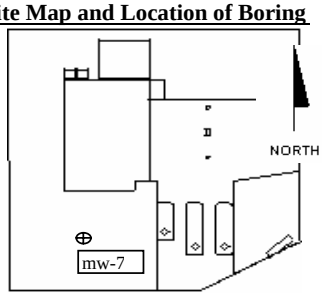
Boring Log

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
Big Oil & Tire	MW-7
Job#: SP-170	**Sheet**
Date: 5/11/2006	13 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11+/- feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.33 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728846 **Long:** -124.2008172 **Elevation:** 53.45 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									AB	**Asphalt - 1-2", Base 3-4"**
			1							
						100	T			**Silty Sand**, reddish orange-brown, yellower with depth
			2							
			3		100	T	T			brown
			4	*						
									SM	
			5							
			6							
			7							
			8							
			9							
			10	*		85	15			
0.5						85	15			
			11			95	5			**Sand**, brown, medium to coarse
			12							
			13							
			14							
									SP	
0.9			15	*		100				
						100				
			16			100				
			17							
			18							
			19							
0.5			20	*		100				

Comments: Top 4' hand augered on 4/26/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling. No mast, too close to overhead.

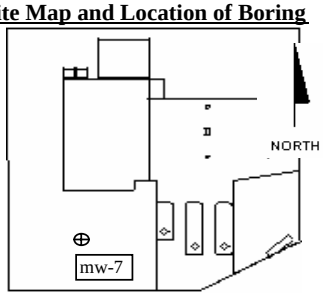
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-7
Job#: SP-170	**Sheet**
Date: 5/11/2006	14 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	11+/- feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.33 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7728846 **Long:** -124.2008172 **Elevation:** 53.45 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
						100			SP	
			21			100				
			22							
			23							
			24							
			25							
			26							
			27							
			28							
			29							
			30							
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							Bottom of Boring 30 feet

Comments:

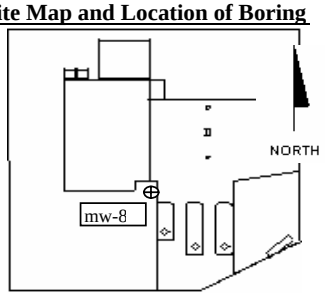
Boring Log

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

SounPacific Environmental Services
(707) 269-0884

Client	Boring No.
Big Oil & Tire	MW-8
Job#: SP-170	**Sheet**
Date: 5/9/2006	15 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	17 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.67 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729257 **Long:** -124.2007485 **Elevation:** 53.73 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
									AB	**Asphalt - 3", Base 3"**
			1							
			2							**Silty Sand to Sand**, reddish, orange-brown, yellower with depth
			3							
0			4	*						medium
									SP	
			5							
			6							
			7							
			8			100				**Clayey Sand**, orange
				*		sluff				
0			9			60	10	30		
										Sand with silt, brown to light orange-brow
			10							
			11							
			12	*		85	15			
						95	5			
0			13			90	10			
			14							
			15						SP	
			16	*		90	10			variable color and silt conten
		▽				95	5			
1.9			17			100	T			
			18							
			19							
			20	*		100				

Comments: Top 4' hand augered on 4/26/06. Sample from 4' collected. Re-auger to 4' with post- hole digger (larger diameter) prior to drilling.

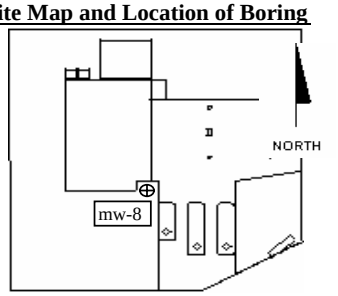
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Northcrest 76
1500 Northcrest Drive, Crescent City, California

Client	Boring No.
Big Oil & Tire	MW-8
Job#: SP-170	**Sheet**
Date: 5/9/2006	16 of 16

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Mitchell Drilling	**Project Manager:**	Andy Malone
Rig Operator:	Ed Mitchell	**Geologist:**	Gary Johnson
Drilling Method:	8" Hollow Stem Auger	**Sampler:**	Jeff Gaines
Drill Rig Type:	CME	**Sampling Method:**	EPA 5035/Split Barrel
Approximate Initial Water Level	17 feet bgs	**Reviewed By:**	Andy Malone
		Boring Diameter:	8 inch
Approximate Stabilized Water Level	12.67 feet bgs 5/18/06	**Boring Depth:**	30 feet
		Temp. Well Screen?	No

Lat: 41.7729257 **Long:** -124.2007485 **Elevation:** 53.73 feet

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation GRAVEL	SAND	SILT	CLAY	GROUP SYMBOL	FIELD NOTES
						100			SP	
1.7			21			85	15			
									SP/SM	
			22							
			23							**Sand**, medium grey-brown
			24	*		100				
3.0						95	5			
			25							
									SP	
			26							
			27							
			28	*		100				
6.3						100				
			29							silty zones typically dryer than clean sand zone
			30							
										Bottom of Boring 29.5 feet
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							

Comments: Bottom 5' of well filled in with sand. Driller could not run screen to bottom. Driller says bit plugged with bentonite from 4' auger hole.

Appendix B

basic laboratory

www.basiclab.com

voice 530.243.7234 fax 530.243.7494

2218 Railroad Avenue
Redding, California 96001

June 16, 2006

Lab ID: 6050665

Andy Malone
SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
RE: NORTHCREST 76 SP-170

Dear Andy Malone,

Enclosed are the analysis results for Work Order number 6050665. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

For

Ricky D. Jensen
Laboratory Director
California ELAP Certification Number 1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1@9' Soil (6050665-01) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0172**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*39-128*		"	"	"	"
MW-1@13' Soil (6050665-02) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.6 %*		*39-128*		"	"	"	"
MW-1@17' Soil (6050665-03) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*98.6 %*		*39-128*		"	"	"	"
MW-1@21' Soil (6050665-04) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.0 %*		*39-128*		"	"	"	"
MW-1@25' Soil (6050665-05) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1@25' Soil (6050665-05)	**Sampled:05/09/06 00:00**	**Received:05/17/06 10:24**							
Ethylbenzene	"	ND			0.0050	"	"	05/17/06	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.8 %*			*39-128*	"	"	"	"
MW-2@8' Soil (6050665-06)	**Sampled:05/10/06 00:00**	**Received:05/17/06 10:24**							
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.8 %*			*39-128*	"	"	"	"
MW-2@12' Soil (6050665-07)	**Sampled:05/10/06 00:00**	**Received:05/17/06 10:24**							
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.8 %*			*39-128*	"	"	"	"
MW-2@16' Soil (6050665-08)	**Sampled:05/10/06 00:00**	**Received:05/17/06 10:24**							
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*89.2 %*			*39-128*	"	"	"	"
MW-2@20' Soil (6050665-09)	**Sampled:05/10/06 00:00**	**Received:05/17/06 10:24**							
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"

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2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-2@20' Soil (6050665-09) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Di-isopropyl ether	"	ND			0.0050	"	"	05/17/06	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*39-128*		"	"	"	"
MW-2@24' Soil (6050665-10) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*87.6 %*		*39-128*		"	"	"	"
MW-2@28' Soil (6050665-11) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*39-128*		"	"	"	"
MW-3@10' Soil (6050665-12) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*94.8 %*		*39-128*		"	"	"	"
MW-3@15' Soil (6050665-13) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	**2.90**	G-02		0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	**0.0347**			0.0050	"	"	"	"
Xylenes (total)	"	**0.0520**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"

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Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-3@15' Soil (6050665-13) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Tert-butyl alcohol	"	ND			0.0500	"	"	05/18/06	"
Surrogate: 4-Bromofluorobenzene		*103 %*			*39-128*	"	"	"	"
MW-3@20' Soil (6050665-14) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	**2.67**			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0156**			0.0050	"	"	"	"
Ethylbenzene	"	**0.0991**			0.0050	"	"	"	"
Xylenes (total)	"	**0.0719**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0088**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*104 %*			*39-128*	"	"	"	"
MW-3@30' Soil (6050665-15) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	**0.166**			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0161**			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0193**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*84.8 %*			*39-128*	"	"	"	"
MW-4@8' Soil (6050665-16) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	**0.0632**			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0469
Benzene	"	**0.0083**			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0114**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*87.8 %*			*39-128*	"	"	"	"
MW-4@12' Soil (6050665-17) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0295**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*94.4 %*			*39-128*	"	"	"	"

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Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-4@16' Soil (6050665-18) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.6 %*			*39-128*	"	"	"	"
MW-4@20' Soil (6050665-19) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.8 %*			*39-128*	"	"	"	"
MW-4@24' Soil (6050665-20) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.2 %*			*39-128*	"	"	"	"
MW-4@28' Soil (6050665-21) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.8 %*			*39-128*	"	"	"	"
MW-5@10' Soil (6050665-22) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	**0.0722**	G-03		0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"

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Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
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Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-5@10' Soil (6050665-22) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Ethylbenzene	"	ND			0.0050	"	"	05/18/06	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0758**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*89.2 %*		*39-128*		"	"	"	"
MW-5@8' Soil (6050665-23) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.4 %*		*39-128*		"	"	"	"
MW-6@10' Soil (6050665-24) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*39-128*		"	"	"	"
MW-6@15' Soil (6050665-25) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*39-128*		"	"	"	"
MW-6@20' Soil (6050665-26) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"

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Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
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Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-6@20' Soil (6050665-26) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Di-isopropyl ether	"	ND			0.0050	"	"	05/18/06	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.8 %*			*39-128*	"	"	"	"
MW-7@10' Soil (6050665-27) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.8 %*			*39-128*	"	"	"	"
MW-7@15' Soil (6050665-28) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/18/06	05/18/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.0 %*			*39-128*	"	"	"	"
MW-7@20' Soil (6050665-29) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0469
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*94.2 %*			*39-128*	"	"	"	"
MW-8@8' Soil (6050665-30) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"

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Volatile Organic Compounds - Solid

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MW-8@8' Soil (6050665-30) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Tert-butyl alcohol	"	ND			0.0500	"	"	05/17/06	"
Surrogate: 4-Bromofluorobenzene		*92.8 %*			*39-128*	"	"	"	"
MW-8@12' Soil (6050665-31) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.8 %*			*39-128*	"	"	"	"
MW-8@16' Soil (6050665-32) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.0 %*			*39-128*	"	"	"	"
MW-8@20' Soil (6050665-33) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.0 %*			*39-128*	"	"	"	"
MW-8@24' Soil (6050665-34) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.6 %*			*39-128*	"	"	"	"

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California D.O.H.S. Cert #1677

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Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-8@28' Soil (6050665-35) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	05/17/06	05/17/06	B6E0437
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.2 %*		*39-128*		"	"	"	"

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Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1@9' Soil (6050665-01) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*89.8 %*		*50-150*		"	"	"	"
MW-1@13' Soil (6050665-02) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*97.9 %*		*50-150*		"	"	"	"
MW-1@17' Soil (6050665-03) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*101 %*		*50-150*		"	"	"	"
MW-1@21' Soil (6050665-04) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*131 %*		*50-150*		"	"	"	"
MW-1@25' Soil (6050665-05) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*101 %*		*50-150*		"	"	"	"
MW-2@8' Soil (6050665-06) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*85.6 %*		*50-150*		"	"	"	"
MW-2@12' Soil (6050665-07) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*68.2 %*		*50-150*		"	"	"	"
MW-2@16' Soil (6050665-08) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*71.5 %*		*50-150*		"	"	"	"
MW-2@20' Soil (6050665-09) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*110 %*		*50-150*		"	"	"	"
MW-2@24' Soil (6050665-10) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*107 %*		*50-150*		"	"	"	"
MW-2@28' Soil (6050665-11) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
MW-3@10' Soil (6050665-12) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	05/26/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*90.7 %*		*50-150*		"	"	"	"
MW-3@15' Soil (6050665-13) Sampled:05/10/06 00:00 Received:05/17/06 10:24									

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Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-3@15' Soil (6050665-13) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	06/02/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*125 %*		*50-150*		"	"	"	"
MW-3@20' Soil (6050665-14) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	06/02/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*111 %*		*50-150*		"	"	"	"
MW-3@30' Soil (6050665-15) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*90.7 %*		*50-150*		"	"	"	"
MW-4@8' Soil (6050665-16) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*82.0 %*		*50-150*		"	"	"	"
MW-4@12' Soil (6050665-17) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*81.1 %*		*50-150*		"	"	"	"
MW-4@16' Soil (6050665-18) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*76.9 %*		*50-150*		"	"	"	"
MW-4@20' Soil (6050665-19) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*96.1 %*		*50-150*		"	"	"	"
MW-4@24' Soil (6050665-20) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*105 %*		*50-150*		"	"	"	"
MW-4@28' Soil (6050665-21) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
MW-5@10' Soil (6050665-22) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*108 %*		*50-150*		"	"	"	"
MW-5@8' Soil (6050665-23) Sampled:05/10/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND	QR-02		10	EPA 8015 MOD	06/02/06	05/23/06	B6E0563
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*129 %*		*50-150*		"	"	"	"
MW-6@10' Soil (6050665-24) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*123 %*		*50-150*		"	"	"	"
MW-6@15' Soil (6050665-25) Sampled:05/11/06 00:00 Received:05/17/06 10:24									

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Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-6@15' Soil (6050665-25) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*98.5 %*		*50-150*		"	"	"	"
MW-6@20' Soil (6050665-26) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*87.4 %*		*50-150*		"	"	"	"
MW-7@10' Soil (6050665-27) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*103 %*		*50-150*		"	"	"	"
MW-7@15' Soil (6050665-28) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*105 %*		*50-150*		"	"	"	"
MW-7@20' Soil (6050665-29) Sampled:05/11/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	06/02/06	05/24/06	B6E0577
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*99.1 %*		*50-150*		"	"	"	"
MW-8@8' Soil (6050665-30) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*101 %*		*50-150*		"	"	"	"
MW-8@12' Soil (6050665-31) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*100 %*		*50-150*		"	"	"	"
MW-8@16' Soil (6050665-32) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
MW-8@20' Soil (6050665-33) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*108 %*		*50-150*		"	"	"	"
MW-8@24' Soil (6050665-34) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*96.4 %*		*50-150*		"	"	"	"
MW-8@28' Soil (6050665-35) Sampled:05/09/06 00:00 Received:05/17/06 10:24									
Diesel	mg/kg	ND			10	EPA 8015 MOD	05/25/06	05/19/06	B6E0476
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*105 %*		*50-150*		"	"	"	"

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Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050665
Reported: 06/16/06
Phone: 707-269-0884
P.O. #

Notes and Definitions

QR-02	The RPD result for the MS/MSD exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
G-03	The GRO result reported for this sample does not match the laboratory's gasoline standard, but is due primarily to MTBE.
G-02	The GRO result reported for this sample does not match the laboratory's gasoline standard.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maxium Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure

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California D.O.H.S. Cert #1677

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Ave., Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 6050665

CLIENT NAME:	PROJECT NAME:	PROJECT #:	SAMPLE TYPE:
SounPacific	Northcrest 76	SP-170	Soil

ADDRESS:	REQUESTED COMP. DATE:	STATE FORMS?	# OF SAMPLES:
P.O. Box 13 Kneeland, CA 95549	Standard 6/1/06	☐	35

TURN AROUND TIME: STD ☒ RUSH ☐ PAGE 1 OF 2

PROJECT MANAGER:	PHONE:	FAX:	E-MAIL:
Andy Malone	707-269-0884	707-269-0699	andy@sounpacific.com

INVOICE TO:	ROA:
SounPacific	greg@sounpacific.com

SPECIAL MAIL ☐ E-MAIL ☒ FAX ☐ EDT ☐

REP: ID#: SYSTEM#: GLOBAL ID #: T0601500006 QC = 1 2 3 4

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION (2006 Subsurface Investigation (Drilling))	# OF BOTTLES	TPHg (EPA 8260b)	BTXE (EPA 8260b)	5 OXYS (EPA 8260b)	TPHd (EPA 8015)	TPHmo (EPA 8015)	LAB ID	REMARKS
5-9-06				X	MW-1 @ 9'	5	X	X	X	X	X	1	
					MW-1 @ 13'							2	
					MW-1 @ 17'							3	
					MW-1 @ 21'							4	
					MW-1 @ 25'							5	
5-10-06					MW-2 @ 8'							6	
					MW-2 @ 12'							7	
					MW-2 @ 16'							8	
					MW-2 @ 20'							9	
					MW-2 @ 24'							10	
					MW-2 @ 28'							11	
					MW-3 @ 10'							12	
					MW-3 @ 15'							13	
					MW-3 @ 20'							14	
					MW-3 @ 30'							15	
5-9-06					MW-4 @ 8'							16	
					MW-4 @ 12'							17	
					MW-4 @ 16'							18	
					MW-4 @ 20'							19	
					MW-4 @ 24'							20	

PRESERVED WITH: HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCl ☐ NaThio ☐ OTHER NaHSO4-H2O / Methanol

SAMPLED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
Jeff Gaines	5-11-06	Tien-yu Tai	5-15-06
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY: (SAMPLES UNVERIFIED)	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: (VERIFIED) Verna Dahl	DATE/TIME: 5/17/06 10:24	SAMPLES SHIPPED VIA: (UPS) FEDEX POST BUS OTHER	

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Ave., Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 6050665

CLIENT NAME: SounPacific	PROJECT NAME: Northcrest 76	PROJECT #: SP-170	SAMPLE TYPE: Soil
ADDRESS: P.O. Box 13, Kneeland, CA 95521	REQUESTED COMP. DATE: Standard. 6/1/06	STATE FORMS? ☐	# OF SAMPLES: 35
	TURN AROUND TIME: STD ☒ RUSH ☐		PAGE 2 OF 2

PROJECT MANAGER: Andy Malone

PHONE: 707-269-0884 FAX: 707-269-0699 E-MAIL: andy@sounpacific.com, greg@sounpacific.com

INVOICE TO: SounPacific.

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐ EDT ☐

REP:
ID#:
SYSTEM#:
GLOBAL ID #: T0601500006
QC = 1 2 3 4

Sample description: 2006 Subsurface Investigation (Drilling)

ANALYSIS REQUESTED

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	TPHg (EPA 8260b)	BTXE (EPA 8260b)	5-Oxys (EPA 8260b)	TPHd (EPA 8015)	TPHmo (EPA 8015)	LAB ID	REMARKS
5-9-06					MW-4 @ 28'	5	X	X	X	X	X	21	
5-10-06					MW-5 @ 10'	↓	↓	↓	↓	↓	↓	22	
↓					MW-5 @ 8'	↓	↓	↓	↓	↓	↓	23	
5-11-06					MW-6 @ 10'	↓	↓	↓	↓	↓	↓	24	
↓					MW-6 @ 15'	↓	↓	↓	↓	↓	↓	25	
↓					MW-6 @ 20'	↓	↓	↓	↓	↓	↓	26	
↓					MW-7 @ 10'	↓	↓	↓	↓	↓	↓	27	
↓					MW-7 @ 15'	↓	↓	↓	↓	↓	↓	28	
↓					MW-7 @ 20'	↓	↓	↓	↓	↓	↓	29	
5-9-06					MW-8 @ 8'	↓	↓	↓	↓	↓	↓	30	
↓					MW-8 @ 12'	↓	↓	↓	↓	↓	↓	31	
↓					MW-8 @ 16'	↓	↓	↓	↓	↓	↓	32	
↓					MW-8 @ 20'	↓	↓	↓	↓	↓	↓	33	
↓					MW-8 @ 24'	↓	↓	↓	↓	↓	↓	34	
↓					MW-8 @ 28'	↓	↓	↓	↓	↓	↓	35	

PRESERVED WITH: HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ NaThio ☐ OTHER $NaHSO_4 \cdot H_2O$ / Methanol

SAMPLED BY: Jeff Gaines	DATE/TIME: 5-11-06	RELINQUISHED BY: Trenyu Tai	DATE/TIME: 5-15-06
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY: (SAMPLES UNVERIFIED)	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: (VERIFIED) [signature] 5/17/06	DATE/TIME: 10:24	SAMPLES SHIPPED VIA: (UPS) FEDEX POST BUS OTHER	

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

Appendix C

basic laboratory

www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

June 07, 2006

Lab ID: 6050852

Andy Malone
SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
RE: NORTHCREST 76 SP-170

Dear Andy Malone,

Enclosed are the analysis results for Work Order number 6050852. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

For

Ricky D. Jensen
Laboratory Director
California ELAP Certification Number 1677

basic laboratory
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voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050852
Reported: 06/07/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1 Water (6050852-01) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	**0.6**			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**7.4**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	**2.5**			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.0 %*		*43-155*		"	"	"	"
MW-2 Water (6050852-02) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	ND			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	ND			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*43-155*		"	"	"	"
MW-3 Water (6050852-03) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	**22200**	R-07		1000	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	**14.2**	R-07		10.0	"	"	"	"
Toluene	"	**1420**	R-07		10.0	"	"	"	"
Ethylbenzene	"	**611**	R-07		10.0	"	"	"	"
Xylenes (total)	"	**2350**	R-07		20.0	"	"	"	"
Methyl tert-butyl ether	"	ND	R-07		20.0	"	"	"	"
Di-isopropyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-amyl methyl ether	"	ND	R-07		10.0	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		1000	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*43-155*		"	"	"	"
MW-4 Water (6050852-04) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**3.7**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	ND			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.4 %*		*43-155*		"	"	"	"
MW-5 Water (6050852-05) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	**88.1**	G-03		50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"

Approved By

Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050852
Reported: 06/07/06
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-5 Water (6050852-05) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Ethylbenzene	"	ND			0.5	"	"	05/24/06	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**64.6**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	**4.2**			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	**60.0**			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*43-155*		"	"	"	"
MW-6 Water (6050852-06) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**1.4**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	ND			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*89.6 %*		*43-155*		"	"	"	"
MW-7 Water (6050852-07) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	ND			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	ND			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.0 %*		*43-155*		"	"	"	"
MW-8 Water (6050852-08) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	05/24/06	05/24/06	B6E0602
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	ND			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	ND			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.0 %*		*43-155*		"	"	"	"

Approved By

Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050852
Reported: 06/07/06
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1 Water (6050852-01) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/02/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*112 %*		*50-150*		"	"	"	"
MW-2 Water (6050852-02) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/02/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*110 %*		*50-150*		"	"	"	"
MW-3 Water (6050852-03) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	**3530**			56	EPA 8015 MOD	06/02/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*103 %*		*50-150*		"	"	"	"
MW-4 Water (6050852-04) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/02/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*89.9 %*		*50-150*		"	"	"	"
MW-5 Water (6050852-05) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/03/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*107 %*		*50-150*		"	"	"	"
MW-6 Water (6050852-06) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/03/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*100 %*		*50-150*		"	"	"	"
MW-7 Water (6050852-07) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/03/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*94.6 %*		*50-150*		"	"	"	"
MW-8 Water (6050852-08) Sampled:05/18/06 00:00 Received:05/24/06 11:01									
Diesel	ug/l	ND			56	EPA 8015 MOD	06/03/06	05/24/06	B6E0578
Motor Oil	"	ND			56	"	"	"	"
Surrogate: Octacosane		*88.7 %*		*50-150*		"	"	"	"

Approved By

Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory

www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Andy Malone
Project: NORTHCREST 76 SP-170

Lab No: 6050852
Reported: 06/07/06
Phone: 707-269-0884
P.O. #

Notes and Definitions

R-07	The sample was diluted due to the presence of high levels of target analytes resulting in elevated reporting limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). The J flag is equivalent to the DNQ Estimated Concentration flag.
G-03	The GRO result reported for this sample does not match the laboratory's gasoline standard, but is due primarily to MTBE.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maxium Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Ave., Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 6050852

CLIENT NAME: SOUNPACIFIC	PROJECT NAME: NORTHCREST 76	PROJECT #: SP-170	SAMPLE TYPE: WATER
ADDRESS: P.O. BOX 13 KNEELAND, CA 95549	REQUESTED COMP. DATE: STANDARD 6-8-06	STATE FORMS? ☐	# OF SAMPLES: 8
	TURN AROUND TIME: STD ☒ RUSH ☐		PAGE 1 OF 1
PROJECT MANAGER: ANDY MALONE			
PHONE: (707) 269-0884 FAX: (707) 269-0899 E-MAIL: andy@sounpacific.com			
INVOICE TO: SOUNPACIFIC PO#:			
SPECIAL MAIL ☐ E-MAIL ☒ FAX ☐ EDT ☒			

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION (WELL INSTALLATION SAMPLING EVENT)	# OF BOTTLES	TPHg (EPA 8260)	BTEX	5-oxys	TPHd (EPA 8015)	TPHmo	LAB ID	REMARKS
5-18-06		X			MW-1	5	X	X	X	X	X	1	
					MW-2							2	
					MW-3							3	
					MW-4							4	
					MW-5							5	
					MW-6							6	
					MW-7							7	
					MW-8							8	
								(VOAs)					

REMARKS: Bottles in 2 Red Coolers ave mixed up w/ SP145 VOAs in another (smaller) blue cooler

PRESERVED WITH: HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☒ NaThio ☐ OTHER_____

SAMPLED BY: Jack Skehane	DATE/TIME: 5-18-06	RELINQUISHED BY: Tien-yu Tai	DATE/TIME: 5-22-06
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY: (SAMPLES UNVERIFIED)	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: (VERIFIED) Penny J. Oldham	DATE/TIME: 5-24-06 11:01	SAMPLES SHIPPED VIA: UPS FEDEX POST BUS OTHER_____	

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

Appendix D

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Groundwater Level Measurements and Free Phase Hydrocarbon Measurements

All SounPacific staff and contractors shall adopt the following procedures any time that groundwater elevations are determined for the purposes of establishing groundwater gradient and direction, and prior to any sampling event.

Wells are to be tested for free phase hydrocarbons (free product) before the first development or sampling of any new well, and in any well that has historically contained free product.

Equipment Checklist

- ❑ Combination water level / free phase hydrocarbon indicator probe (probe)
- ❑ Gauging Data / Purge Calculations Sheet
- ❑ Pencil or Pen/sharpie
- ❑ Disposable Gloves
- ❑ Distilled Water and or know water source on site that is clean
- ❑ Alconox (powder) or Liquinox (liquid) non-phosphate cleaners—do not use soap!
- ❑ Buckets or Tubs for decontamination station
- ❑ Tools necessary to access wells
- ❑ Site Safety Plan
- ❑ This Standard Operating Procedure
- ❑ Notify Job site business that you will be arriving to conduct work.

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Access and open all monitoring wells to be measured. Allow wells to equilibrate for approximately 15 minutes before taking any measurements.

3. Decontaminate probe with Alconox or Liquinox solution, and rinse with distilled water.

4. Determine the diameter of the well to be measured and indicate this on the Gauging Data / Purge Calculations Sheet.

5. Words of caution: Please be careful with water level and product meters probes are not attached with high strength material so please make sure to avoid catching the end on anything in the well and make sure not to wind reel to the point that it could pull on the probe. ***If product is suspect in a well, go to step 6, if no product is suspected go to step 7 below.***

6. **When product is present or suspected:** use the product level meter. Clip the static charge clamp to the side of the well casing. Then lower probe into the well through the product/water interface about one foot if possible. Then slowly raise the probe back up through the product/water interface layer and record the level as the tone changes from solid to broken-record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTP). Continue to raise the probe up through the product until the tone stops completely-record this level on the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW). Then go to step 8.

7. **When no product is present or suspected:** If no free product is present, record the depth of the water (to the nearest 0.01 foot) relative to the painted black mark on the top of the well casing. Leave the probe in the well just a hair above the water level to ensure the well as equilibrated. As the well rises, the tone will sound. Make sure no increase in water levels have occurred in over a ten-minute period. Water levels can lower as well as rise. Make sure you note when the level you keep lowering the probe to has remained stable for at least ten minutes. Once this has been accomplished, please record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW).

8. Turn off the probe, and use the probe to determine the depth to the bottom of the well relative to the top of the well casing. This is the depth to bottom measurement (DTB).

9. Decontaminate probe and tape by washing in an Alconox/Liquinox solution ***(read directions on solution for ratio of water to cleanser)*** and use the toothbrush provided to remove any foreign substance from the probe and tape. Then triple rinse probe and tape with clean water and then proceed to take measurements in the next well.

10. If sampling is to occur, proceed to implement SounPacific's Standard Operating Procedure for Monitoring Well Purging and Sampling. If no sampling is to be performed, close and secure all wells and caps.

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Monitoring Well Purging and Groundwater Sampling

All SounPacific employees and contractors shall adopt the following procedures any time that groundwater samples are to be taken from an existing groundwater monitoring well.

Prior to the implementation of these procedures, the groundwater level **MUST** be measured and the presence of free phase hydrocarbons determined in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Equipment Checklist

- ❑ **Gauging Data / Purge Calculations Sheet used for water level determination**
- ❑ Chain of Custody Form
- ❑ pH/ Conductivity / Temperature meter
- ❑ Pencil or Pen
- ❑ Indelible Marker
- ❑ Calculator
- ❑ Disposable Gloves
- ❑ Distilled Water
- ❑ Alconox/liquinox liquid or powdered non-phosphate cleaner
- ❑ Buckets or Tubs for decontamination station
- ❑ Bottom-filling bailer or pumping device for purging
- ❑ Disposable bottom-filling bailer and emptying device for sampling
- ❑ String, twine or fishing line for bailers
- ❑ Sample containers appropriate for intended analytical method (check with lab)
- ❑ Sample labels
- ❑ Site Safety Plan
- ❑ Tools necessary to access wells
- ❑ Drum space on site adequate for sampling event

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Measure groundwater levels and check for the presence of free product in accordance with the Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Purging

3. Calculate and record the volume of standing water in each well using the information provided on the Gauging Data / Purge Calculations sheet.
   (DTB-DTW) x Conversion Factor = Casing Volume.

4. The purge volume shall be at least three times and no more than seven times the volume of standing water (the casing volume).

5. Purge the well by bailing or pumping water from the well into a calibrated receptacle, such as a five gallon bucket or tub with markings to indicate one gallon increments. Collect purgeate in a 55 gallon labeled drum and store on site. Drum labels should include the date, contents, site number, and SounPacific's name and telephone number.

6. Take measurements of pH, conductivity, temperature, and visual observations to verify the stabilization of these parameters. At least five measurements of these parameters should be made throughout the purging process. The parameters shall be considered stabilized if successive measurements vary by less than 0.25 pH units, 10% of conductivity in μS, and 1°C (or 1.8°F). Continue purging until at least three times the casing volume has been removed, and the measured parameters have stabilized as indicated above. Do not exceed seven casing volumes.

7. Take a final depth to groundwater measurement and calculate the casing volume of the recharged well. Ideally, the casing volume should have recharged to at least 80% of the original measured casing volume before sampling commences. If due to slow recharge rates it is not feasible to wait for the well to fully recharge, then note this on the Gauging Data / Purge Calculation Sheet and proceed to sample following the procedure below.

Sampling

8. **After completing groundwater measurement, and checking for free product if necessary, in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements, and after purging monitoring wells as described above, groundwater samples may be collected.**

9. Slowly lower a clean, previously unused disposable bailer into the well water approximately half of the bailer length, and allow the bailer to slowly fill.

10. Withdraw the full bailer from the monitoring well and utilize the included (clean and unused) bottom-emptying device to fill the necessary sample containers, and seal the container with the included PTFE (Teflon) lined cap.

11. When filling VOAs, fill the VOA completely full, with the meniscus rising above the rim of the bottle. Carefully cap the VOA and invert it and gently tap it to determine whether air bubbles are trapped inside. If the VOA contains air bubbles, refill the VOA and repeat this step.

12. All samples shall be labeled with the Sample ID, the Sample Date, and the Sample Location or Project Number. Use an indelible marker for writing on sample labels.

13. Record all pertinent sample data on the Chain of Custody.

14. Place samples in an ice chest cooled to 4°C with ice or "blue ice". Bottles should be wrapped in bubble wrap, and VOA's should be inserted in a foam VOA holder to protect against breakage. Samples are to be kept at 4°C until delivered to the laboratory. Any transference of sample custody shall be indicated on the Chain of Custody with the appropriate signatures as necessary.

15. Utilize clean, previously unused gloves, bailer and line, and bottom-emptying device for each well sampled.

16. When finished with all sampling, close and secure all monitoring wells.

17. Leave the site cleaner than when you arrived and drive safely.

Appendix E

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GAUGING DATA/PURGE CALCULATIONS

Job Site: NORTHCREST 76 Job No.: SP-170

Event: WELL DEVELOPMENT Date: 5/15/06

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPL (ft.)	Bailer Loads	Notes
MW-1	2	27.64	12.31						
MW-2	2	26.27	11.91						
MW-3	2	26.04	12.28						
MW-4	2	25.88	12.18						SHEEN
MW-5	2	26.28	13.21						SHEEN
MW-6	2	26.78	12.65						SHEEN
MW-7	2	25.74	11.97						NO SHEEN
MW-8	2	20.42 (T) 23.30 (F)	12.37						SHEEN

Explanation:
DIA. = Well Diameter
DTB = Depth to Bottom
DTW = Depth to Water
ST = Saturated Thickness (DTB-DTW)
CV = Casing Volume (ST x cf)
PV = Purge Volume (standard 3 x CV, well development 10 x CV)
SPL = Thickness of Separate Phase Liquid

Conversion Factors (cf):
2 in. dia. well cf = 0.16 gal./ft.
4 in. dia. well cf = 0.65 gal./ft.
6 in. dia. well cf = 1.44 gal./ft.

Sampler: JACK SHEAHAN

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Well Gauging/Sampling Report

Sheet 1 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-1

Analyses Tested: ~~N/A~~ WELL DEVELOPMENT

Sample Containers: ~~N/A~~

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
12:58	12.31		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:59	0	6.61	57.48	1.318	1.03	10.1	
3:38	55	6.71	57.51	0.707	4.60	45.0	

Field Scientist: JACK SKRAKAN

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Well Gauging/Sampling Report

Sheet 2 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-2

Analyses Tested: WELL DEVELOPMENT

Sample Containers: —

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
1:00	11.91		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:01	0	6.46	56.33	0.744	1.74	16.7	
3:56	55	6.10	56.24	0.486	3.07	29.5	

Field Scientist: JACK SKRAMAN

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Well Gauging/Sampling Report

Date: 5/15/06 Project Name: NORTHEAST 76 Project No: SP-120 Well Number: MW-3

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
1:03	12.28		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:04	0	6.31	57.34	1.139	0.82	8.0	
4:52	55	5.82	57.48	0.775	2.80	27.3	

Field Scientist: JACK SKEAHAN

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Well Gauging/Sampling Report

Sheet 4 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-4

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
12:56	12.18		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:57	0	6.71	57.12	0.496	0.63	6.1	
3:08	55	6.53	57.39	0.329	4.37	42.6	

Field Scientist: JACK SKRAHAN

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Well Gauging/Sampling Report

Sheet 5 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-5

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
1:06	13.21		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:07	0	6.65	57.66	1.179	1.00	9.8	
4:19	55	6.66	57.87	0.753	2.56	25.1	

Field Scientist: JACK SHAHAN

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Well Gauging/Sampling Report

Sheet 6 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-120 Well Number: MW-6

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
12:52	12.65		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:53	0	6.26	58.66	0.441	3.62	35.8	
3:12	55	6.24	58.73	0.359	4.51	44.7	

Field Scientist: JACK SKEAHAN

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Well Gauging/Sampling Report

Sheet 7 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-7

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
12:49	11.97		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:50	0	6.07	57.34	0.254	5.63	54.8	
2:11	55	5.86	57.51	0.277	5.94	57.9	

Field Scientist: JACK SHEAHAN

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Well Gauging/Sampling Report

Sheet 8 of 8

Date: 5/15/06 Project Name: NORTHCREST 76 Project No: SP-170 Well Number: MW-8

Analyses Tested: WELL DEVELOPMENT

Sample Containers:

Purge Technique: ☐ Bailer ☑ Pump

Sounder Used: ☐ Water Meter ☑ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
1:09	12.37		SLOW RECHARGE

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:10	0	6.94	57.35	0.890	0.74	7.2	
4:33	30	6.41	59.64	0.527	6.04	60.4	

Field Scientist: JACK SKRAHAN

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GAUGING DATA/PURGE CALCULATIONS

Job Site: Northcrest 76 Job No.: SP170

Event: Well Installation Sampling Date: 5-18-06

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WELL NO.	DIA. (in.)	DTB 5/18 (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPL (ft.)	DTB 5/15 Bailer [illegible]	PID (ppm)	Notes	
MW-1	2	28.80	12.82	15.98	2.56	7.68		27.64	12.8	No sheen Slight HC odor	6
MW-2	2	27.92	12.23	15.65	2.51	7.53		26.27	10.5	Sheen, No HC odor	4
MW-3	2	28.09	12.93	15.16	2.43	7.29		26.04	254.1	No sheen, HC odor	8
MW-4	2	27.80	12.61	15.19	2.43	7.29		25.88	9.2	Sheen, Slight HC odor	1
MW-5	2	27.98	13.51	14.47	2.32	6.96		26.28	35.3	Sheen, Slight HC odor	7
MW-6	2	28.11	12.98	15.13	~~2.43~~ 2.43	~~7.29~~ 7.29		26.78	9.6	Sheen, No HC odor	2
MW-7	2	28.08	12.33	15.75	2.52	7.56		25.74	12.2	Sheen, No HC odor	5
MW-8	2	23.23	12.67	10.56	1.69	5.07		20.42	9.7	Sheen, No HC odor	3

Explanation:
DIA. = Well Diameter
DTB = Depth to Bottom
DTW = Depth to Water
ST = Saturated Thickness (DTB-DTW)
CV = Casing Volume (ST x cf)
PV = Purge Volume (standard 3 x CV, well development 10 x CV)
SPL = Thickness of Separate Phase Liquid

Conversion Factors (cf):
2 in. dia. well cf = 0.16 gal./ft.
4 in. dia. well cf = 0.65 gal./ft.
6 in. dia. well cf = 1.44 gal./ft.

Sampler: Jack Sullaway
Tien Yu Tai

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Well Gauging/Sampling Report

Sheet 1 of 8

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-1

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 40ml VOAs, 2 1-L Bottles

Purge Technique: ☒ Bailer ~~☒ Pump~~

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:02 am	12.81		No Sheen SLIGHT HCODOR
11:35	12.82		"
	End		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:57	0	6.90	57.34	1.178	0.61	6.0	
1:03	2.56	7.15	57.32	1.172	0.49	4.8	
1:09	5.12	7.15	57.33	1.170	0.38	3.8	
1:15	7.68	7.14	57.32	1.170	0.32	3.1	

Field Scientist: JACK SKRAKAN

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Well Gauging/Sampling Report

Sheet 2 of 8

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-2

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:07	12.22		Sheen No HC odor
11:37	12.23		"
	End		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:20	0	6.61	56.17	0.488	1.59	15.2	
1:27	2.51	6.34	56.26	0.457	1.68	16.1	
1:34	5.02	6.23	56.38	0.448	1.81	17.4	
1:41	7.53	6.19	56.42	0.435	1.90	18.3	

Field Scientist: JACK SULLIVAN

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Well Gauging/Sampling Report

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-3

Analyses Tested: TPHg, BTXE, 5-OXYs, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:11	12.91		No Sheen, HC odor
11:40	12.93		"
11:51	12.93		"
	End		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
1:47	0	6.49	57.09	1.174	0.63	6.1	
1:55	2.43	6.72	57.14	1.170	0.42	4.1	
2:04	4.86	6.69	57.16	1.168	0.42	4.1	
2:10	7.29	6.75	57.16	1.168	0.38	3.7	

Field Scientist: Jack Skahan

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Well Gauging/Sampling Report

Sheet 4 of ~~8~~

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-4

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:22	12.61		SHEEN, SLIGHT HC ODOR
11:42	12.61		" "
	End.		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:02	0	6.24	56.87	0.271	1.42	13.7	
12:12	2.43	6.54	57.13	0.266	0.57	5.5	
12:20	4.86	6.77	57.07	0.263	0.49	4.7	
12:27	7.29	6.90	57.17	0.268	0.41	4.0	

Field Scientist: Jack Sheahan

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Well Gauging/Sampling Report

Sheet 5 of 8

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-5

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:15	13.51		SHEEN, ~~BLACK~~
11:44	13.51		" SLIGHT HC ODOR
	End.		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
2:14	0	6.88	57.42	1.163	0.43	4.2	
2:20	2.32	6.97	57.55	1.160	0.41	4.0	
2:26	4.64	6.96	57.61	1.160	0.36	3.5	
2:32	6.96	6.95	57.53	1.157	0.35	3.4	

Field Scientist: JACK SICKAHAN

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Well Gauging/Sampling Report

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-6

Analyses Tested: TPHg, BTxE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:19	12.92		SHEEN, No HC odor
11:46	12.98		"
11:54	12.98		"
	End		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
12:31	0	6.59	58.56	0.307	3.05	30.1	
12:38	2.43	6.55	58.64	0.311	3.04	30.0	
12:45	4.86	6.57	58.60	0.306	3.05	30.1	
12:51	7.29	6.55	58.58	0.299	3.06	30.2	

Field Scientist: Jack Sullahan

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Well Gauging/Sampling Report

Sheet 7 of 8

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-7

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:29	12.34		SHEEN, NO HC ODOR
11:47	12.33		"
	End		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
3:07	0	6.80	57.15	0.159	4.28	41.5	
3:14	2.52	6.51	57.28	0.182	4.55	44.2	
3:21	5.04	6.23	57.15	0.176	4.39	42.6	
3:29	7.56	6.15	57.08	0.175	4.33	42.0	

Field Scientist: Jack Sullahan

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Well Gauging/Sampling Report

Sheet 8 of 8

Date: 5-18-06 Project Name: Northcrest 76 Project No: SP-170 Well Number: MW-8

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmo

Sample Containers: 3 HCl VOAs, 2 1-L Bottles

Purge Technique: [X] Bailer [ ] Pump

Sounder Used: [ ] Water Meter [X] Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes:
11:26	12.67		SHEEN, NO HC ODOR
11:49	12.67		"
	End.		

Field Measurements

Time	Total Vol. Removed/(gal)	pH	Temp/(F)	Cond./(ms/cm)	DO/(mg/L)	DO/(%)	
2:37	0	7.22	56.96	0.317	1.86	18.0	
2:45	1.69	7.12	57.15	0.282	2.17	21.1	
2:58	3.38	7.12	57.25	0.271	6.22	60.4	
3:05	5.07	7.12	57.29	0.267	6.27	61.0	

Field Scientist: JACK SKRAKAN